

# EXHIBIT A

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 1										
	(1) 1	10	20	30	40	50	60	70	80	91
SEQ ID NO 1	(1)	CACACGTAGGCTACGAGTGGCCCTCAGCCCTGACCTCA	TCATGACCTGCTGTTATAATAATAATGTTTAA	TGCTGTTCTTATAGAGGA						
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Section 2										
	(92) 92	100	110	120	130	140	150	160	170	182
SEQ ID NO 1	(92)	AAGTCCTGATGTTAGTTGCCTTGAAGTCAGACACCCAGAGAGAA	TCACAGGTTTTCAGATTAA	TTCAATTCATCGCTTGATTC	TATCCCTGAAGT					
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus	(92)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Section 3										
	(183) 183	190	200	210	220	230	240	250	260	273
SEQ ID NO 1	(183)	CATATCTCTGGATCTCTGGTTCTCACATTATAA	ATTCAATGATTC	TTTTTCTATATGGCCATGTCA	TATCCCTG	TGTAATATGGGGA				
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus	(183)	-----	-----	-----	-----	-----	-----	-----	-----	-----

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 4																
	(274)	274	280	290	300	310	320	330	340	350	364					
SEQ ID NO 1	(274)	AAC	TAGG	TATGAA	TGACAT	CAATTC	AAAGCAC	CTTGCAA	GTCTT	TCTCAT	GTTGCTTT					
SEQ ID NO 11	(1)	---	---	---	---	---	---	---	---	---	---					
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---	---	---					
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---	---					
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---	---					
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---	---					
Consensus	(274)	---	---	---	---	---	---	---	---	---	---					
Section 5																
	(365)	365	370	380	390	400	410	420	430	440	455					
SEQ ID NO 1	(365)	CAT	TGAAA	TATTTG	TTCACAT	ATTTTGC	AGATGAG	GAATGA	ATTC	AAATGCA	TTAGGTA	CTTGTC	CAAGTT	CTTAC	AGCCAG	AAAGTA
SEQ ID NO 11	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Consensus	(365)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Section 6																
	(456)	456	470	480	490	500	510	520	530	546						
SEQ ID NO 1	(456)	GAG	AAATG	AAATTT	ACAAAT	CTTCT	TACCTCT	TGGCTT	ATGCT	CTTTT	TCATG	ACACT	GGGA	ATAA	TGCTG	AACA
SEQ ID NO 11	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Consensus	(456)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 7										637
(547)	547	560	570	580	590	600	610	620		
SEQ ID NO 1	(547)	TGTTTCAACTATTATCAAAATACTTGTTTCTACTAAGATCTTGCACTCAGTGGGATCCCTGAAGCCCTGCTGATTATTTGTCCTTT								
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus	(547)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Section 8										728
(638)	638	650	660	670	680	690	700	710		
SEQ ID NO 1	(638)	GGCATTATCAGCTCTCTGTGGGACCTTACTCTCCTATGGTAAAGTTTATTGTTATTAAAGTATTATTGACAAATAAAATGTAGAAATCCT								
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus	(638)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Section 9										819
(729)	729	740	750	760	770	780	790	800		
SEQ ID NO 1	(729)	ACAGATCATACTCAACAACATGTCTAATGTCAGCACACACAATGCTAACAAATCACTTTATGTCAAAACATAAGCAATAACCTA								
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus	(729)	-----	-----	-----	-----	-----	-----	-----	-----	-----



SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	820	830	840	850	860	870	880	890	900	Section 10
SEQ ID NO 1	(820)	ATTAAGGAAGGTA	TTTTAAATAAAT	TGACAC	TTTTTGACATAA	CCATAAT	TTCAAAG	TGGCTCC	ATTTGTTT	ATTTATTTA
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus	(820)	-----	-----	-----	-----	-----	-----	-----	-----	-----
	911	920	930	940	950	960	970	980	990	Section 11
SEQ ID NO 1	(911)	TTTATTTATTT	TTTGAGAA	AGGGTCT	CTC	ACTCT	GTG	TGCCC	CAGACT	GGAGT
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus	(911)	-----	-----	-----	-----	-----	-----	-----	-----	-----
	1002	1010	1020	1030	1040	1050	1060	1070	1080	Section 12
SEQ ID NO 1	(1002)	CTGGGCTCA	AGCAATC	CTCCCAT	CTCAG	CTTCC	CAAGTAG	CTGGG	ACTAC	AGGTG
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus	(1002)	-----	-----	-----	-----	-----	-----	-----	-----	-----

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 13																
(1093)	1093	1100	1110	1120	1130	1140	1150	1160	1170	1183						
SEQ ID NO 1	(1093)	AGAGACGGGGTTT	TGGCTGGTCCGGGTTGGT	CTCAAACTCCGGGTTCCGGCCACCTTGGCC	CCCCAAAGTCTGGGATTATAGGC											
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----						
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----						
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----						
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----						
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----						
Consensus	(1093)															
Section 14																
(1184)	1184	1190	1200	1210	1220	1230	1240	1250	1260	1274						
SEQ ID NO 1	(1184)	ATGAGCCTCAAGTGGCTACTTTT	TAGGTTGAAATTTATAT	TGACTGTCAACTAGCTTCCCTAGTTAGTATTTGGGATCTGCTAACTAATT												
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----						
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----						
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----						
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----						
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----						
Consensus	(1184)															
Section 15																
(1275)	1275	1280	1290	1300	1310	1320	1330	1340	1350	1365						
SEQ ID NO 1	(1275)	TATATTACCATCCAACCTTGTC	AAACATTTGTTGAAATATA	ACTGTCCCTCACTTTT	TTTGTGTAACATTGA	ACTTTCAGACTAAATTT										
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----						
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----						
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----						
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----						
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----						
Consensus	(1275)															

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	1366	1380	1390	1400	1410	1420	1430	1440	Section 16
SEQ ID NO 1	(1366)	GGTTTAA	CTTAA	AGTC	TTA	TTCT	TA	AA	1456
SEQ ID NO 11	(1366)	GGTTTAA	CTTAA	AGTC	TTA	TTCT	TA	AA	1456
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---
Consensus (1366)		---	---	---	---	---	---	---	---
		1470	1480	1490	1500	1510	1520	1530	Section 17
SEQ ID NO 1	(1457)	TACCTCT	TTT	TTCT	CTT	AGCC	TG	TAC	1547
SEQ ID NO 11	(1457)	TACCTCT	TTT	TTCT	CTT	AGCC	TG	TAC	1547
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---
Consensus (1457)		---	---	---	---	---	---	---	---
		1560	1570	1580	1590	1600	1610	1620	Section 18
SEQ ID NO 1	(1548)	GAAAGCT	GGG	GAG	GGG	TAA	ATG	AA	1638
SEQ ID NO 11	(1548)	GAAAGCT	GGG	GAG	GGG	TAA	ATG	AA	1638
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---
Consensus (1548)		---	---	---	---	---	---	---	---

[illegible]

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 22											
	(1912)	1912	1920	1930	1940	1950	1960	1970	1980	1990	2002
SEQ ID NO 1	(1912)	GAAATGAGGAAAA	CAAGTTGCCAGAAAGAA	CAAGGAAAGAA	TAGAGGCAGGTAAG	CAGTGGATTTTGCCCTAGGGAAGGTAATAA	CTAG				
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus (1912)		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Section 23											
	(2003)	2003	2010	2020	2030	2040	2050	2060	2070	2080	2093
SEQ ID NO 1	(2003)	AGACGGCAGTTTCTAACAGGCCATGATGAATAAGATACACTTAGCCCTCATTTGGTACGTGCAGAAAATTC	CAAAATTTGGAAGCTTA								
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus (2003)		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Section 24											
	(2094)	2094	2100	2110	2120	2130	2140	2150	2160	2170	2184
SEQ ID NO 1	(2094)	CATGACAGTAAATATATGTTGGGAAAAAAATAACCGGTAAACATTACATCAGCTCTTTTCCCTAAAGAGAAACCTATTC	CATGCTATGAA								
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus (2094)		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	(2185)	2185	2190	2200	2210	2220	2230	2240	2250	2260	Section 25
SEQ ID NO 1	(2185)	ATAATTGTCACAAATTC	GTTTTC	CAAAATAC	TTCCTC	TACCTC	TCCAAAGCCAC	AAGAGGAAACA	TTTTCTCT	CGCCACAC	2275
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	2275
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	2275
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	2275
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	2275
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	2275
Consensus (2185)		-----	-----	-----	-----	-----	-----	-----	-----	-----	2275
		(2276)	2276	2290	2300	2310	2320	2330	2340	2350	Section 26
SEQ ID NO 1	(2276)	ACCAGTTTCTCCACTAC	GTCTACTCTTAAGC	CTCTCTTTAGAGC	TGTGTATCTCGT	CTTTATGTAAAC	CTCTCTAGATG	ATATAC	TTATGG		2366
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	2366
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	2366
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	2366
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	2366
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	2366
Consensus (2276)		-----	-----	-----	-----	-----	-----	-----	-----	-----	2366
		(2367)	2367	2380	2390	2400	2410	2420	2430	2440	Section 27
SEQ ID NO 1	(2367)	AAATATTCAGGCAACT	TTTTTCATGAAC	TTTACCAGGAAAG	ACATTTCTAGCAGG	AGAGCATGAA	TAGAAATGGAC	TCTTCCCCAG	TCTCTG		2457
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	2457
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	2457
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	2457
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	2457
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	2457
Consensus (2367)		-----	-----	-----	-----	-----	-----	-----	-----	-----	2457

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 28																	2548
(2458)	2458	2470	2480	2490	2500	2510	2520	2530									2548
SEQ ID NO 1 (2458)	C T G G G T T C T G A C T G T G G T C A C T C T A A C T A T A A A A A G G T G T A A A A A T C A T T G A G C A G A T T A T T C A T T C C T T G G G G T C C C T A A A A A T T T C A																
SEQ ID NO 11	(1)																
SEQ ID NO 13	(1)																
SEQ ID NO 15	(1)																
SEQ ID NO 16	(1)																
SEQ ID NO 17	(1)																
Consensus (2458)																	
Section 29																	2639
(2549)	2549	2560	2570	2580	2590	2600	2610	2620									2639
SEQ ID NO 1 (2549)	A G G T A T C T G T A T T A G C A C A G G A A G A T T T A A A T T G A T T T C T C A A C A C A T T C A G A T A T C T T A T G A A C T T T A T T A A G A T A A A T T T C C T C C A G C A																
SEQ ID NO 11	(1)																
SEQ ID NO 13	(1)																
SEQ ID NO 15	(1)																
SEQ ID NO 16	(1)																
SEQ ID NO 17	(1)																
Consensus (2549)																	
Section 30																	2730
(2640)	2640	2650	2660	2670	2680	2690	2700	2710	2720	2730							
SEQ ID NO 1 (2640)	T T C A G A A A C T C A T A T T A C A G A A T A A A A A T A A A G C A G A A A A T T A G T G T A C C T G G C T A A A A A T G A G A G C A G G G T T C T A T T T C A T T T T G G A																
SEQ ID NO 11	(1)																
SEQ ID NO 13	(1)																
SEQ ID NO 15	(1)																
SEQ ID NO 16	(1)																
SEQ ID NO 17	(1)																
Consensus (2640)																	

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 31											
	(2731)	2731	2740	2750	2760	2770	2780	2790	2800	2810	2821
SEQ ID NO 1	(2731)	AAGTCAC	TAAAGACAG	ATAATAACCA	TAAAGATAAA	AAGTTAA	CAATTAGT	TAATTA	GATG	GTGATGCC	CAATAA
SEQ ID NO 11	(1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---	---
Consensus	(2731)	---	---	---	---	---	---	---	---	---	---
Section 32											
	(2822)	2822	2830	2840	2850	2860	2870	2880	2890	2900	2912
SEQ ID NO 1	(2822)	ATAC	TTTATATAG	TATCACCT	ACATTTCT	AGATGTA	AAATGAG	GGAATTA	GTAGT	ATCTAC	CTCGTATG
SEQ ID NO 11	(1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---	---
Consensus	(2822)	---	---	---	---	---	---	---	---	---	---
Section 33											
	(2913)	2913	2920	2930	2940	2950	2960	2970	2980	2990	3003
SEQ ID NO 1	(2913)	GAGCTG	TGTC	CAAAAC	TGGTAT	AGAAAG	CAGAACT	TTAGT	TATT	AGATTCT	TACTATT
SEQ ID NO 11	(1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---	---
Consensus	(2913)	---	---	---	---	---	---	---	---	---	---



SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 34										3094
(3004)	3004	3010	3020	3030	3040	3050	3060	3070	3080	3094
SEQ ID NO 1	(3004)	GCTAAGAAACCCCAATAAT	CTGTGATACATCAAAACC	TTCTGGCATTAGATGTTT	CTAAATCTTCAATCTTCA	TATTAATTTT	TAATTTT	TAATTTT	TAATTTT	3094
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	3094
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	3094
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	3094
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	3094
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	3094
Consensus	(3004)	-----	-----	-----	-----	-----	-----	-----	-----	3094
Section 35										3185
(3095)	3095	3100	3110	3120	3130	3140	3150	3160	3170	3185
SEQ ID NO 1	(3095)	TTGATTATCTACATTCAG	TAGTGAATGTGTTTCT	AAACGCTGGATGCA	TTTTTAACTAAATGTG	TTTTGTACCA	CAATTTTGACA	CTTTTG	CTTTTG	3185
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	3185
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	3185
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	3185
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	3185
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	3185
Consensus	(3095)	-----	-----	-----	-----	-----	-----	-----	-----	3185
Section 36										3276
(3186)	3186	3200	3210	3220	3230	3240	3250	3260	3276	3276
SEQ ID NO 1	(3186)	TTTTAACTATGATTTCAG	CTTATAACAAACAAACA	ATGCA	TCTCTCCACTGTTAA	TAAAGGTTAA	TGAAAGTTGACT	TATGAAAA	AAAA	3276
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	3276
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	3276
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	3276
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	3276
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	3276
Consensus	(3186)	-----	-----	-----	-----	-----	-----	-----	-----	3276

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	(3277)	3277	3290	3300	3310	3320	3330	3340	3350	Section 37
SEQ ID NO 1	(3277)	ATCCTAAATTTATGCACATTC	CTCATTTGTTTCCCTTGCCTAAGGATAATTAGTACTTGACGATTC	GTAAACAAGAAATTA	TCATGGGATGAAACT	3367				
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	
Consensus (3277)		-----	-----	-----	-----	-----	-----	-----	-----	
	(3368)	3368	3380	3390	3400	3410	3420	3430	3440	Section 38
SEQ ID NO 1	(3368)	TTGATGCAAAATATCTTATCAATAACAATG	TGCTTGATTTTACCTAGATGAGATTTTCTTTCTTTCTTTT							

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 40												
	(3550)	3550	3560	3570	3580	3590	3600	3610	3620	3630	3640	
SEQ ID NO 1	(3550)	AGTCACTGAATCCAGCCTCACTTAGTTGGCTTCTTAGTGAATTATTTTATCTGAACTCTTCTGATAATACTCTCAAAATATTTAT										
SEQ ID NO 11	(1)	-----										
SEQ ID NO 13	(1)	-----										
SEQ ID NO 15	(1)	-----										
SEQ ID NO 16	(1)	-----										
SEQ ID NO 17	(1)	-----										
Consensus	(3550)	-----										
Section 41												
	(3641)	3641	3650	3660	3670	3680	3690	3700	3710	3720	3731	
SEQ ID NO 1	(3641)	GGATTTTATAACATAAATTTATGGATTACGTAGTTATGAATTTTCATAAAATGATTTTGTGATATTGCCACAGATCATCACCAATTATACAGGAT										
SEQ ID NO 11	(1)	-----										
SEQ ID NO 13	(1)	-----										
SEQ ID NO 15	(1)	-----										
SEQ ID NO 16	(1)	-----										
SEQ ID NO 17	(1)	-----										
Consensus	(3641)	-----										
Section 42												
	(3732)	3732	3740	3750	3760	3770	3780	3790	3800	3810	3822	
SEQ ID NO 1	(3732)	GTATAACATAACCATGGTTTAAATATATTTTCATAAACTATAGACCCAAACAAAGACTGGTCAGGACCAGGGCAGCATGTCATTTTATATGTG										
SEQ ID NO 11	(1)	-----										
SEQ ID NO 13	(1)	-----										
SEQ ID NO 15	(1)	-----										
SEQ ID NO 16	(1)	-----										
SEQ ID NO 17	(1)	-----										
Consensus	(3732)	-----										

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 43											
	(3823)	3823	3830	3840	3850	3860	3870	3880	3890	3900	3913
SEQ ID NO 1	(3823)	GGTGCC	TATTGG	AATAGC	CAGGCT	CCTCCTGT	GAAAAATC	AGTAAG	TGCTTATCT	CATAGG	ACCGCCCAACATTCCTG
SEQ ID NO 11	(1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---	---
Consensus (3823)											
Section 44											
	(3914)	3914	3920	3930	3940	3950	3960	3970	3980	3990	4004
SEQ ID NO 1	(3914)	TACCAC	ACTTTG	CACCTT	ATCTCC	ATGTGG	AAATAG	ATAGCC	CACTGT	TGAATCT	CTGGTGAGAACGACACGCTCGAAA
SEQ ID NO 11	(1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---	---
Consensus (3914)											
Section 45											
	(4005)	4005	4010	4020	4030	4040	4050	4060	4070	4080	4095
SEQ ID NO 1	(4005)	ACCCCT	ATTACAG	CCCTCAG	AGAACT	CTTCTC	ACATAG	CGCCAA	CAACA	CACTTTAG	GAGTGATGTTCCTAGAA
SEQ ID NO 11	(1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---	---
Consensus (4005)											

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

										Section 46
(4096)	4096	4110	4120	4130	4140	4150	4160	4170		4186
SEQ ID NO 1 (4096)	TTAAAAGTGAAAA	CAATGACAAGGAGAGGAGGGT	TCAGAGAGGAAAGGCTGATGTTACTATAAAAGACAAAAAGACAGTATAACCTCTTATGA							
SEQ ID NO 11	(1)	---	---	---	---	---	---	---		
SEQ ID NO 13	(1)	---	---	---	---	---	---	---		
SEQ ID NO 15	(1)	---	---	---	---	---	---	---		
SEQ ID NO 16	(1)	---	---	---	---	---	---	---		
SEQ ID NO 17	(1)	---	---	---	---	---	---	---		
Consensus (4096)		---	---	---	---	---	---	---		
										Section 47
(4187)	4187	4200	4210	4220	4230	4240	4250	4260		4277
SEQ ID NO 1 (4187)	GGATGGTCCAGACACTCAGGGAAATGCAGGAAGAAATAAAAAGATAGGAGTTTGAACCCACACTGTGATGGCTAACTTTATGTGTGGACCCGA									
SEQ ID NO 11	(1)	---	---	---	---	---	---	---		
SEQ ID NO 13	(1)	---	---	---	---	---	---	---		
SEQ ID NO 15	(1)	---	---	---	---	---	---	---		
SEQ ID NO 16	(1)	---	---	---	---	---	---	---		
SEQ ID NO 17	(1)	---	---	---	---	---	---	---		
Consensus (4187)		---	---	---	---	---	---	---		
										Section 48
(4278)	4278	4290	4300	4310	4320	4330	4340	4350		4368
SEQ ID NO 1 (4278)	CCGATCTATGGGACACCCAGATAGCTTGTAAGCACTATTTCTGGGTGCGTCAGTGAGGGTGTTTTTGGGAAGAGATCAACACTTGAGTCAG									
SEQ ID NO 11	(1)	---	---	---	---	---	---	---		
SEQ ID NO 13	(1)	---	---	---	---	---	---	---		
SEQ ID NO 15	(1)	---	---	---	---	---	---	---		
SEQ ID NO 16	(1)	---	---	---	---	---	---	---		
SEQ ID NO 17	(1)	---	---	---	---	---	---	---		
Consensus (4278)		---	---	---	---	---	---	---		

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 49																	4459
(4369)	4369	4380	4390	4400	4410	4420	4430	4440									4459
SEQ ID NO 1	(4369)	TAGACTGAGTAAAGCAGATGGTCCCTCACCAATGTGGGTGCACATGTTTAACTGTGTGAGTGCCIGGATAGACAAAAAGGCCAAAAGG															4459
SEQ ID NO 11	(1)	-----															
SEQ ID NO 13	(1)	-----															
SEQ ID NO 15	(1)	-----															
SEQ ID NO 16	(1)	-----															
SEQ ID NO 17	(1)	-----															
Consensus	(4369)	-----															
Section 50																	4550
SEQ ID NO 1	(4460)	GTGAATTCCCTTCTCGTCTTAAGCTGGGACAGCCCATCCTTTCCTACCCCTCAGACATGAGAGGTTTGGATTCTTGGATCTTTGGTCCCAAG															4550
SEQ ID NO 11	(1)	-----															
SEQ ID NO 13	(1)	-----															
SEQ ID NO 15	(1)	-----															
SEQ ID NO 16	(1)	-----															
SEQ ID NO 17	(1)	-----															
Consensus	(4460)	-----															
Section 51																	4641
SEQ ID NO 1	(4551)	GGCTGACACTGGTGGCCACCTCTGGTTTCAGGTCTTTGGCCCCAGATTGTAAGTTACACCATCAGCTTCCTTGGTTCTTGGGCCCTTGAGAC															4641
SEQ ID NO 11	(1)	-----															
SEQ ID NO 13	(1)	-----															
SEQ ID NO 15	(1)	-----															
SEQ ID NO 16	(1)	-----															
SEQ ID NO 17	(1)	-----															
Consensus	(4551)	-----															

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 52										
(4642)	4642	4650	4660	4670	4680	4690	4700	4710	4720	4732
SEQ ID NO 1 (4642)	TCAAGCTAA	AAATACAC	TACCACTT	CCCTTGTT	CTCTAGT	GTAGGAC	AGCAAA	ATCATGA	ATCAATA	AGTCA
SEQ ID NO 11 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---
Consensus (4642)	---	---	---	---	---	---	---	---	---	---
Section 53										
(4733)	4733	4740	4750	4760	4770	4780	4790	4800	4810	4823
SEQ ID NO 1 (4733)	TTCCCGTAA	ATAAACT	CTGTGCT	TATATAT	CTATAGC	TTTCC	TTTGGT	CTGTTT	CTCCAA	GAACCT
SEQ ID NO 11 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---
Consensus (4733)	---	---	---	---	---	---	---	---	---	---
Section 54										
(4824)	4824	4830	4840	4850	4860	4870	4880	4890	4900	4914
SEQ ID NO 1 (4824)	CTGTAGTAA	TGATAAC	CTTATGC	AGGTTT	TGAATA	AGATG	GTGTT	CTCAGT	ATCTG	GGAGGT
SEQ ID NO 11 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---
Consensus (4824)	---	---	---	---	---	---	---	---	---	---

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	(4915)	4915	4920	4930	4940	4950	4960	4970	4980	4990	Section 55
SEQ ID NO 1	(4915)	IGAGCCTAGGAC	TGAGGAGAT	TTCTGAAA	TGGGAA	TAATTTGG	GICAAA	CCAAAGAG	ATAATAGC	CAATG	5005
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5005
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5005
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5005
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5005
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5005
Consensus (4915)		-----	-----	-----	-----	-----	-----	-----	-----	-----	5005
	(5006)	5006	5020	5030	5040	5050	5060	5070	5080	5096	Section 56
SEQ ID NO 1	(5006)	TCGTATGATT	CAGCAAC	CCCAACCA	CTGGGAA	TTTACCC	AAAGGAA	AGGAAAC	CCAGTA	TATTTAA	5096
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5096
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5096
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5096
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5096
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5096
Consensus (5006)		-----	-----	-----	-----	-----	-----	-----	-----	-----	5096
	(5097)	5097	5110	5120	5130	5140	5150	5160	5170	5187	Section 57
SEQ ID NO 1	(5097)	AGCATTAT	TCTCAAT	AGCCTAG	ATATGG	ACTCAAC	CTAGG	AGATT	AGATGA	ATGGCA	5187
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5187
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5187
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5187
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5187
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5187
Consensus (5097)		-----	-----	-----	-----	-----	-----	-----	-----	-----	5187



SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	(5188)	5188	5200	5210	5220	5230	5240	5250	5260	Section 58
SEQ ID NO 1	(5188)	TTACCAGCTATAAAAAAGAA	TTAGCCAAAGCAGTGG	GIGTGCCCTG	GTCA	CCCCAGCTCCT	TTGGGAGGCTGAG	GIGGGAAGA	TC	5278
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	5279
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	5280
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	5281
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	5282
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	5283
Consensus	(5188)	-----	-----	-----	-----	-----	-----	-----	-----	5284
Section 59										
SEQ ID NO 1	(5279)	AGAAAGTTTGAGACCCAGCCTGGGCAAAATAATAAGACTCGGTC	CTCTAAAAACAATTTAAAAAATAGGCCTTCCTTAAAAAAGAA	TAAAAATCAT						5369
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	5370
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	5371
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	5372
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	5373
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	5374
Consensus	(5279)	-----	-----	-----	-----	-----	-----	-----	-----	5375
Section 60										
SEQ ID NO 1	(5370)	GTCATTCACGGCAACATAGATGGGACTGGAGGATATTACTGTTAAGTGAAAATTAGCCAGGAACAGCAAGTTAA	CCCCACATATTCTGATT							5460
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	5461
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	5462
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	5463
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	5464
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	5465
Consensus	(5370)	-----	-----	-----	-----	-----	-----	-----	-----	5466

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 61											Section 61
(5461)	5461	5470	5480	5490	5500	5510	5520	5530	5540	5551	
SEQ ID NO 1	(5461)	CATATGCGGAAGCTAAAAACGTTGATCTCATAGAAAGTAAAAAGT	AGACACAGAGGATGCTGGAGACTAGAAAAAGGTAGGAGAAAGG	AAG							
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Consensus	(5461)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Section 62											Section 62
(5552)	5552	5560	5570	5580	5590	5600	5610	5620	5630	5642	
SEQ ID NO 1	(5552)	GAGAGGGAAAAATTTGTTAACACAGGTACAAAAACAAAAATTACAGTTAGTTAGGGAGAAATTAATTC	CAGCATCCCTGTAGCACATATAGGATGAC								
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Consensus	(5552)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Section 63											Section 63
(5643)	5643	5650	5660	5670	5680	5690	5700	5710	5720	5733	
SEQ ID NO 1	(5643)	TATAGTTAATAATAACTTTTAATTAGTCTCAAAATAGCTAGAGGAGGATATTGAAATGTTCCCAACACACACAAAAAATGATAATGTATG									
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Consensus	(5643)	-----	-----	-----	-----	-----	-----	-----	-----	-----	

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 64																	5824
(5734)	5734	5740	5750	5760	5770	5780	5790	5800	5810								5824
SEQ ID NO 1	(5734)	AGA	GAT	GGA	TAG	GTA	CTA	CTA	CA	TA	TA	TA	TA	TA	TA	TA	TA
SEQ ID NO 11	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Consensus	(5734)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Section 65																	5915
SEQ ID NO 1	(5825)	5825	5830	5840	5850	5860	5870	5880	5890	5900							5915
SEQ ID NO 11	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Consensus	(5825)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Section 66																	6006
SEQ ID NO 1	(5916)	5916	5930	5940	5950	5960	5970	5980	5990								6006
SEQ ID NO 11	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Consensus	(5916)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 67																	6097
(6007)	6007	6020	6030	6040	6050	6060	6070	6080									6097
SEQ ID NO 1	(6007)	AAATAGTAA	TTTACAGCA	AATTTATCA	CTGACAT	TTCTTCAGT	TCTCCCTCT	TGGCATCT	GCTTCTTCT	TTCTGTA	ATGCTGT						6097
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----						6097
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----						6097
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----						6097
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----						6097
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----						6097
Consensus (6007)																	
Section 68																	6188
(6098)	6098	6110	6120	6130	6140	6150	6160	6170									6188
SEQ ID NO 1	(6098)	TGTTGAA	ATGCCCA	ACATTC	TTTTCTT	CTCCCTA	GAGCTA	TTCAGG	GTGAC	CTTTCT	TTTCGCA	TTTCCCCA	TGCCC	ATTA	TATCAA	6188	
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	6188	
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	6188	
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	6188	
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	6188	
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	6188	
Consensus (6098)																	
Section 69																	6279
(6189)	6189	6200	6210	6220	6230	6240	6250	6260									6279
SEQ ID NO 1	(6189)	AATAAAC	AGTCCT	GTGTGG	CCACTG	CTCATG	ACCTTG	TTTCTG	CCATGT	GAGAT	CGGCT	GCTCT	TTTCT	CTCCT	CTTTT	6279	
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	6279	
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	6279	
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	6279	
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	6279	
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	6279	
Consensus (6189)																	

[illegible]

[illegible]

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	6826	6840	6850	6860	6870	6880	6890	6900	Section 76
SEQ ID NO 1 (6826)	GGGCTGGC	ACTGCTGGGG	TACAAAGT	AGTAAGCCAA	ACTTCACAA	TGGTTAGAT	TCATGTTT	AAAAAGCCAT	TGGATCAAA
SEQ ID NO 11 (6826)	GGGCTGGC	ACTGCTGGGG	TACAAAGT	AGTAAGCCAA	ACTTCACAA	TGGTTAGAT	TCATGTTT	AAAAAGCCAT	TGGATCAAA
SEQ ID NO 13 (6826)	GGGCTGGC	ACTGCTGGGG	TACAAAGT	AGTAAGCCAA	ACTTCACAA	TGGTTAGAT	TCATGTTT	AAAAAGCCAT	TGGATCAAA
SEQ ID NO 15 (6826)	GGGCTGGC	ACTGCTGGGG	TACAAAGT	AGTAAGCCAA	ACTTCACAA	TGGTTAGAT	TCATGTTT	AAAAAGCCAT	TGGATCAAA
SEQ ID NO 16 (6826)	GGGCTGGC	ACTGCTGGGG	TACAAAGT	AGTAAGCCAA	ACTTCACAA	TGGTTAGAT	TCATGTTT	AAAAAGCCAT	TGGATCAAA
SEQ ID NO 17 (6826)	GGGCTGGC	ACTGCTGGGG	TACAAAGT	AGTAAGCCAA	ACTTCACAA	TGGTTAGAT	TCATGTTT	AAAAAGCCAT	TGGATCAAA
Consensus (6826)	GGGCTGGC	ACTGCTGGGG	TACAAAGT	AGTAAGCCAA	ACTTCACAA	TGGTTAGAT	TCATGTTT	AAAAAGCCAT	TGGATCAAA
	6917	6930	6940	6950	6960	6970	6980	6990	7007
SEQ ID NO 1 (6917)	AGTTTCCAG	CTTTTCTG	TTCCAAAT	ATGTTCCAT	TATAAAAG	AATCTCAAG	AGCATAAT	TGCCAAGAT	AGTCTATG
SEQ ID NO 11 (6917)	AGTTTCCAG	CTTTTCTG	TTCCAAAT	ATGTTCCAT	TATAAAAG	AATCTCAAG	AGCATAAT	TGCCAAGAT	AGTCTATG
SEQ ID NO 13 (6917)	AGTTTCCAG	CTTTTCTG	TTCCAAAT	ATGTTCCAT	TATAAAAG	AATCTCAAG	AGCATAAT	TGCCAAGAT	AGTCTATG
SEQ ID NO 15 (6917)	AGTTTCCAG	CTTTTCTG	TTCCAAAT	ATGTTCCAT	TATAAAAG	AATCTCAAG	AGCATAAT	TGCCAAGAT	AGTCTATG
SEQ ID NO 16 (6917)	AGTTTCCAG	CTTTTCTG	TTCCAAAT	ATGTTCCAT	TATAAAAG	AATCTCAAG	AGCATAAT	TGCCAAGAT	AGTCTATG
SEQ ID NO 17 (6917)	AGTTTCCAG	CTTTTCTG	TTCCAAAT	ATGTTCCAT	TATAAAAG	AATCTCAAG	AGCATAAT	TGCCAAGAT	AGTCTATG
Consensus (6917)	AGTTTCCAG	CTTTTCTG	TTCCAAAT	ATGTTCCAT	TATAAAAG	AATCTCAAG	AGCATAAT	TGCCAAGAT	AGTCTATG
	7008	7020	7030	7040	7050	7060	7070	7080	7098
SEQ ID NO 1 (7008)	TCAACATCT	CTCATGAA	ATCTGTTCC	CATCATTA	CTCAAGAT	TATGTA	TGAACAG	TATTCACAT	AACTAGG
SEQ ID NO 11 (7008)	TCAACATCT	CTCATGAA	ATCTGTTCC	CATCATTA	CTCAAGAT	TATGTA	TGAACAG	TATTCACAT	AACTAGG
SEQ ID NO 13 (7008)	TCAACATCT	CTCATGAA	ATCTGTTCC	CATCATTA	CTCAAGAT	TATGTA	TGAACAG	TATTCACAT	AACTAGG
SEQ ID NO 15 (7008)	TCAACATCT	CTCATGAA	ATCTGTTCC	CATCATTA	CTCAAGAT	TATGTA	TGAACAG	TATTCACAT	AACTAGG
SEQ ID NO 16 (7008)	TCAACATCT	CTCATGAA	ATCTGTTCC	CATCATTA	CTCAAGAT	TATGTA	TGAACAG	TATTCACAT	AACTAGG
SEQ ID NO 17 (7008)	TCAACATCT	CTCATGAA	ATCTGTTCC	CATCATTA	CTCAAGAT	TATGTA	TGAACAG	TATTCACAT	AACTAGG
Consensus (7008)	TCAACATCT	CTCATGAA	ATCTGTTCC	CATCATTA	CTCAAGAT	TATGTA	TGAACAG	TATTCACAT	AACTAGG

Section 79											
	(7099)	7099	7110	7120	7130	7140	7150	7160	7170		
SEQ ID NO 1	(7099)	IGGCCAATGGAGGGICATTATTTAAATGCACATACAAATCTTTTAAGCAAGGGGCCACAGGAATCAGTATGATCCCATAGGAATCCTTTCTT								7189	
SEQ ID NO 11	(1)	---	---	---	---	---	---	---	---		
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---		
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---		
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---		
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---		
Consensus	(7099)										
Section 80											
	(7190)	7190	7200	7210	7220	7230	7240	7250	7260	7270	
SEQ ID NO 1	(7190)	TTCCATTGAAAAAGAAACAGATAGTGGCTTGTTATTAGGTTCTTGTGTGTGTGTGAGGTGGAAAGATATGAAAAGAAATTTGATCAGAGC									7280
SEQ ID NO 11	(1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---	
Consensus	(7190)										
Section 81											
	(7281)	7281	7290	7300	7310	7320	7330	7340	7350	7360	
SEQ ID NO 1	(7281)	ATAAACTGAGCCCATGGGATAGGAAAGAAATGAGGGAATAAGGAAGAAAAACACAGATTATAGACAGGAAAAATCAAACTATTAAAACTGAT									7371
SEQ ID NO 11	(1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---	
Consensus	(7281)										



SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 82																													
	(7372)	7372	7380	7390	7400	7410	7420	7430	7440	7450	7462																		
SEQ ID NO 1	(7372)	AA	TTTC	GAAT	ACT	TGAA	CAAA	GATTC	TATA	AGCA	AGATTTCTCTGT	TCTTACCAGCACTACCA	TGCCCCAA																
SEQ ID NO 11	(1)	---	---	---	---	---	---	---	---	---	---	---	---																
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---	---	---	---	---																
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---	---	---	---																
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---	---	---	---																
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---	---	---	---																
Consensus	(7372)	---	---	---	---	---	---	---	---	---	---	---	---																
Section 83																													
	(7463)	7463	7470	7480	7490	7500	7510	7520	7530	7540	7553																		
SEQ ID NO 1	(7463)	ACT	ACCT	TAG	GAA	ATG	AAT	AGCA	CTTAA	AAACCA	AACTTTTATTTAAGAAA	AGCAAA																	
SEQ ID NO 11	(1)	---	---	---	---	---	---	---	---	---	---	---																	
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---	---	---	---																	
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---	---	---																	
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---	---	---																	
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---	---	---																	
Consensus	(7463)	---	---	---	---	---	---	---	---	---	---	---																	
Section 84																													
	(7554)	7554	7560	7570	7580	7590	7600	7610	7620	7630	7644																		
SEQ ID NO 1	(7554)	CAG	ATG	GGC	CTG	CTA	CA	ATG	TCA	AA	GAAAA	AA	CA	AA	ATCT	GGA	CC	TGA	AGT	CA	AA	CG	AGT	TCA	AA	AT	AAAA	AG	CA
SEQ ID NO 11	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Consensus	(7554)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 85																
	(7645)	7645	7650	7660	7670	7680	7690	7700	7710	7720	7735					
SEQ ID NO 1	(7645)	AACCAATAAACAGAAACCAACATAAACAGAAAGTTACTACCAATCTCCCTCAGCCCTGTGAAATTC														
SEQ ID NO 11	(1)	-----														
SEQ ID NO 13	(1)	-----														
SEQ ID NO 15	(1)	-----														
SEQ ID NO 16	(1)	-----														
SEQ ID NO 17	(1)	-----														
Consensus (7645)		-----														
Section 86																
	(7736)	7736	7750	7760	7770	7780	7790	7800	7810	7826						
SEQ ID NO 1	(7736)	TCCTCTCTCACCTGGAAAGACGAGCAGAGTGAAACACATCAGGGGTTGTCAGTTC														
SEQ ID NO 11	(1)	-----														
SEQ ID NO 13	(1)	-----														
SEQ ID NO 15	(1)	-----														
SEQ ID NO 16	(1)	-----														
SEQ ID NO 17	(1)	-----														
Consensus (7736)		-----														
Section 87																
	(7827)	7827	7840	7850	7860	7870	7880	7890	7900	7917						
SEQ ID NO 1	(7827)	AGAAATGTAGGAAGCTTAGTTAAGGCCAAAGTTCTCTTTGGATCTTCCTCATGGGCTTCAAGGCAAAAGAAAAAGTTTGCTTGAGAAATA														
SEQ ID NO 11	(1)	-----														
SEQ ID NO 13	(1)	-----														
SEQ ID NO 15	(1)	-----														
SEQ ID NO 16	(1)	-----														
SEQ ID NO 17	(1)	-----														
Consensus (7827)		-----														

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	(7918)	7918	7930	7940	7950	7960	7970	7980	7990	Section 88
SEQ ID NO 1	(7918)	TCCTTCATATCTATTAGTTT	TGAAACCAATGCAAAATTA	CAGTTTTTATAGGTAAAA	TGAGTGCAATATGGCAATTT	CAAAATGATTAAACCCCTAAAT				8008
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus (7918)		-----	-----	-----	-----	-----	-----	-----	-----	-----
		(8009)	8009	8020	8030	8040	8050	8060	8070	8080
SEQ ID NO 1	(8009)	ACATTATGCTTTTGGGTATAGAAA	TATTCAGATCTTAAACATA	TGCTGTTACATACAAAAAT	CAGGTATATTCCTGCTTCTATAAT	TAAAGC				8099
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus (8009)		-----	-----	-----	-----	-----	-----	-----	-----	-----
		(8100)	8100	8110	8120	8130	8140	8150	8160	8170
SEQ ID NO 1	(8100)	AAAGAGAAATTTCTTTTGGTCACT	ACTCCTTCTGACATGAGGTAT	GAAACCAAGTTCAGGACCCCT	AAAGGCTGGGCTCTGGGTCATTTCTCC					8180
SEQ ID NO 11	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus (8100)		-----	-----	-----	-----	-----	-----	-----	-----	-----

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 91										
(8191)	8191	8200	8210	8220	8230	8240	8250	8260	8270	8281
SEQ ID NO 1	(8191)	ACCTCTAACTTGTC	CCGCTTTCTTGGT	CAAGTCATTG	TGTTCTGAGCTG	TCTCATAAACA	CTCTGCTATGAC	TTTACTTCTCCT	GATAGGG	
SEQ ID NO 11	(1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---
Consensus (8191)										
Section 92										
(8282)	8282	8290	8300	8310	8320	8330	8340	8350	8360	8372
SEQ ID NO 1	(8282)	TGGCTTTCCATCG	TGGCACCTTCG	TGGCCTTATTG	GATGCTTTAT	ACACTGGTTCT	CGTTCCAAATG	GGCATTAT	TATTGTTATG	ATT
SEQ ID NO 11	(1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---
Consensus (8282)										
Section 93										
(8373)	8373	8380	8390	8400	8410	8420	8430	8440	8450	8463
SEQ ID NO 1	(8373)	CCGTGCTCTCTCC	CACATTTTCCCAT	CTTTCTCCTGAT	CTCTCACCTG	TACATTTTCTT	TACATTTTCTC	CTGCTTCTT	CTTCCCCA	TCA
SEQ ID NO 11	(1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---
Consensus (8373)										

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 94											8554
(8464)	8464	8470	8480	8490	8500	8510	8520	8530	8540		
SEQ ID NO 1 (8464)	TCATTGCCCAAGTG	GTCTTCTTCTCT	CTTCTTCTCT	TTGTCACAT	TTCCCTTGGCCG	CTCTCACATA	TGCAGAGA	TGGCTCTTG	GTCTTCTCT	CTG	
SEQ ID NO 11 (1)	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 13 (1)	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---	
Consensus (8464)	---	---	---	---	---	---	---	---	---	---	
Section 95											8645
(8555)	8555	8560	8570	8580	8590	8600	8610	8620	8630		
SEQ ID NO 1 (8555)	AAATCTCATAG	TTTGGAGG	TAAACTTGT	TAGCAAGGCC	CACTGAGAGAA	CAAAAAGGG	AAACATA	AGAGAA	CACTACT	CTCT	
SEQ ID NO 11 (1)	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 13 (1)	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---	
Consensus (8555)	---	---	---	---	---	---	---	---	---	---	
Section 96											8736
(8646)	8646	8660	8670	8680	8700	8690	8710	8720			
SEQ ID NO 1 (8646)	CATTTCTGGTTT	CTAGAGTAA	GACCCAAAGAA	CTCACTGTTT	TCAGTGCTT	TCAGCTCAGG	CCAACTAG	GGTGAT	CAAACTGAG	CTCT	
SEQ ID NO 11 (1)	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 13 (1)	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---	
Consensus (8646)	---	---	---	---	---	---	---	---	---	---	

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	(8737) 8737	8750	8760	8770	8780	8790	8800	8810	Section 97
SEQ ID NO 1 (8737)	GAGTGTGATCAAAACCTATAAAACCAAGTAGACAGACCAATCTACAAATCTTCAC	CTGTTAAAATACCATAAAGAAATGAAAAGGTCACCTAAAT							8827
SEQ ID NO 11	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---
Consensus (8737)									
	(8828) 8828	8840	8850	8860	8870	8880	8890	8900	Section 98
SEQ ID NO 1 (8828)	GGTAAGACTATAATGTGTGATAAATTAATAATTAATGCAATCAACCTGGCTAGGCTAAAGGATGACCAAGGTAGCTGGTAAACATTATTC	CTGGTG							8918
SEQ ID NO 11	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---
Consensus (8828)									
	(8919) 8919	8930	8940	8950	8960	8970	8980	8990	Section 99
SEQ ID NO 1 (8919)	TGTCCATAAGAGTGTTTTCGGAAGAGATCAGCATTTTGAAATTTGGTGAACCTTAGTAAAGCAGACGGGCTCTCACCAATAGGGCAGGCATCATC								9009
SEQ ID NO 11	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 13	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---
Consensus (8919)									

	(9010)	9010	9020	9030	9040	9050	9060	9070	9080	9090	Section 100
SEQ ID NO 1	(9010)	CAAATCTGTCGAAAGCTTGGAAATAAAACAAAAGAGGAAAGGAAATTTGGCTTCTTTCTTCTTGAATCATCATCTTCTCTGCCCCCTT									9100
SEQ ID NO 11	(60)	CAAATCTGTCGAAAGCTTGGAAATAAAACAAAAGAGGAAAGGAAATTTGGCTTCTTTCTTCTTGAATCATCATCTTCTCTGCCCCCTT									9100
SEQ ID NO 13	(60)	CAAATCTGTCGAAAGCTTGGAAATAAAACAAAAGAGGAAAGGAAATTTGGCTTCTTTCTTCTTGAATCATCATCTTCTCTGCCCCCTT									9100
SEQ ID NO 15	(1)	----									9100
SEQ ID NO 16	(1)	----									9100
SEQ ID NO 17	(1)	----									9100
Consensus	(9010)	CAAATCTGTCGAAAGCTTGGAAATAAAACAAAAGAGGAAAGGAAATTTGGCTTCTTTCTTCTTGAATCATCATCTTCTCTGCCCCCTT									Section 101
SEQ ID NO 1	(9101)	9101	9110	9120	9130	9140	9150	9160	9170	9180	9191
SEQ ID NO 11	(151)	GGAATGAGTGGGGCTTCAGACCTTAAACCCAGGAGTTACACCTTTGGCTTCCCTGGTTCCTCAGTTCTTGGACTTGGACTGGAAATTAACATGC									9191
SEQ ID NO 13	(151)	GGAATGAGTGGGGCTTCAGACCTTAAACCCAGGAGTTACACCTTTGGCTTCCCTGGTTCCTCAGTTCTTGGACTTGGACTGGAAATTAACATGC									9191
SEQ ID NO 15	(1)	----									9191
SEQ ID NO 16	(1)	----									9191
SEQ ID NO 17	(1)	----									9191
Consensus	(9101)	GGAATGAGTGGGGCTTCAGACCTTAAACCCAGGAGTTACACCTTTGGCTTCCCTGGTTCCTCAGTTCTTGGACTTGGACTGGAAATTAACATGC									Section 102
SEQ ID NO 1	(9192)	9192	9200	9210	9220	9230	9240	9250	9260	9270	9282
SEQ ID NO 11	(242)	CAGGTTTCCCTGGTTCCTCAGCTTGCAGATGGGCAGATCAATGGGACTTCTTGGCCCTCCATATTTGGTGAGTCAATTTCCATTTTATTACAT									9282
SEQ ID NO 13	(242)	CAGGTTTCCCTGGTTCCTCAGCTTGCAGATGGGCAGATCAATGGGACTTCTTGGCCCTCCATATTTGGTGAGTCAATTTCCATTTTATTACAT									9282
SEQ ID NO 15	(1)	----									9282
SEQ ID NO 16	(1)	----									9282
SEQ ID NO 17	(1)	----									9282
Consensus	(9192)	CAGGTTTCCCTGGTTCCTCAGCTTGCAGATGGGCAGATCAATGGGACTTCTTGGCCCTCCATATTTGT									

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 103										
(9283)	9283	9290	9300	9310	9320	9330	9340	9350	9360	9373
SEQ ID NO 1	(9283)	ATCCAGTTATGCA	TGCTTAA	CAATGGAGACAGG	TTCTGAGAAA	TGCAATTT	CAATGATTT	CAATGATTT	CAATGATTT	CAATGATTT
SEQ ID NO 11	(333)	ATCCAGTTATGCA	TGCTTAA	CAATGGAGACAGG	TTCTGAGAAA	TGCAATTT	CAATGATTT	CAATGATTT	CAATGATTT	CAATGATTT
SEQ ID NO 13	(306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---
Consensus (9283)										
Section 104										
(9374)	9374	9380	9390	9400	9410	9420	9430	9440	9450	9464
SEQ ID NO 1	(9374)	CTACACAA	ACCTGGACAGCATAG	ACTACTACACATCTAG	GCTACATGGTG	TAGCTTGTAA	CCTCATGATA	AGTAAGTA	TATGTA	ATAA
SEQ ID NO 11	(424)	CTACACAA	ACCTGGACAGCATAG	ACTACTACACATCTAG	GCTACATGGTG	TAGCTTGTAA	CCTCATGATA	AGTAAGTA	TATGTA	ATAA
SEQ ID NO 13	(306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---
Consensus (9374)										
Section 105										
(9465)	9465	9470	9480	9490	9500	9510	9520	9530	9540	9555
SEQ ID NO 1	(9465)	AGTATGTA	TGTATCTACCATAT	CTAAATGTAGAAA	AGGTACAGTAA	AAATATGGTATA	ATCTTATGGGATC	ACCATCATATATG	CAATCCT	
SEQ ID NO 11	(515)	AGTATGTA	TGTATCTACCATAT	CTAAATGTAGAAA	AGGTACAGTAA	AAATATGGTATA	ATCTTATGGGATC	ACCATCATATATG	CAATCCT	
SEQ ID NO 13	(306)	---	---	---	---	---	---	---	---	
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	
Consensus (9465)										



	(9556) 9556	9570	9580	9590	9600	9610	9620	9630	Section 106
SEQ ID NO 1	(9556)	T T G T A G A C T G A A A T G T C A T T G T G T A G T G C A T G A C T G T A T A C G C A C A C A T A C A C A A A T A T A C T A T T G G T T C T T T T C T C T G A							9646
SEQ ID NO 11	(606)	T T G T A G A C T G A A A T G T C A T T G T G T A G T G C A T G A C T G T A T A C G C A C A C A T A C A C A A A T A T A C T A T T G G T T C T T T T C T C T G A							9646
SEQ ID NO 13	(306)	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---
Consensus (9556)									
	(9647) 9647	9660	9670	9680	9690	9700	9710	9720	Section 107
SEQ ID NO 1	(9647)	A G A G C C C T A A T A C A A T A T G T T A T A C A T T T A T A T T G A C T C T A T T T C A A A A T T T A T G G T T T G T G A A A C A T A T G T G G A G A T G G G G C A T A G G T							9737
SEQ ID NO 11	(697)	A G A G C C C T A A T A C A A T A T G T T A T A C A T T T A T A T T G A C T C T A T T T C A A A A T T A T G G T T T G T G A A A C A T A T G T G G A G A T G G G G C A T A G G T							9737
SEQ ID NO 13	(306)	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---
Consensus (9647)									
	(9738) 9738	9750	9760	9770	9780	9790	9800	9810	Section 108
SEQ ID NO 1	(9738)	G T G T G A A C T G G G A T A G T G T C C T G C T G A T G A A T G G G T G G G A G G C A T C A T T T G G G A C A A G C C C A G G G C A T C A G C T T A T A G A T A T C A A G A G C T C							9828
SEQ ID NO 11	(788)	G T G T G A A C T G G G A T A G T G T C C T G C T G A T G A A T G G G T G G G A G G C A T C A T T T G G G A C A A G C C C A G G G C A T C A G C T T A T A G A T A T C A A G A G C T C							9828
SEQ ID NO 13	(306)	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---
Consensus (9738)									

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 109												
	(9829)	9829	9840	9850	9860	9870	9880	9890	9900	9919		
SEQ ID NO 1	(9829)	AACAAGAGCAC	TTTATGGCAAAAC	CTCCACAAGAC	CTCTCAGAAAG	TTTGAGAAAC	CTGCTAAAAAG	TTTCTTTATG	CACAGATGAC	ATTTATG		
SEQ ID NO 11	(879)	AACAAGAGCAC	TTTATGGCAAAAC	CTCCACAAGAC	CTCTCAGAAAG	TTTGAGAAAC	CTGCTAAAAAG	TTTCTTTATG	CACAGATGAC	ATTTATG		
SEQ ID NO 13	(306)	-----	-----	-----	-----	-----	-----	-----	-----	-----		
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----		
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----		
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----		
Consensus	(9829)											
Section 110												
	(9920)	9920	9930	9940	9950	9960	9970	9980	9990	10000	10010	
SEQ ID NO 1	(9920)	ATAAAATAG	GGATTAG	CAGGATTC	TTTAAATACT	TTTCGAACACT	TAACCTTC	ATTCTAC	CAGGCAG	TGGGGCCCC	CAAGTGC	AGGGCCCATAG
SEQ ID NO 11	(970)	ATAAAATAG	GGATTAG	CAGGATTC	TTTAAATACT	TTTCGAACACT	TAACCTTC	ATTCTAC	CAGGCAG	TGGGGCCCC	CAAGTGC	AGGGCCCATAG
SEQ ID NO 13	(306)	-----	-----	-----	-----	-----	-----	-----	-----	-----		
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----		
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----		
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----		
Consensus	(9920)											
Section 111												
	(10011)	10011	10020	10030	10040	10050	10060	10070	10080	10090	10101	
SEQ ID NO 1	(10011)	GAAGTACAA	GTCTGGGAGATA	CTAGGCTGC	ACTGTCTGTAGAGAA	ATCTGAAAAA	ATAATAGAGT	CAC	TGAAAATGC	AGTTTGGTATA	TTAT	
SEQ ID NO 11	(1061)	GAAGTACAA	GTCTGGGAGATA	CTAGGCTGC	ACTGTCTGTAGAGAA	ATCTGAAAAA	ATAATAGAGT	CAC	TGAAAATGC	AGTTTGGTATA	TTAT	
SEQ ID NO 13	(306)	-----	-----	-----	-----	-----	-----	-----	-----	-----		
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----		
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----		
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----		
Consensus	(10011)											

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	(10102)	10102	10110	10120	10130	10140	10150	10160	10170	10180	Section 112
SEQ ID NO 1(10102)	10102	10102	10110	10120	10130	10140	10150	10160	10170	10180	10192
SEQ ID NO 11 (1152)	10102	10102	10110	10120	10130	10140	10150	10160	10170	10180	10192
SEQ ID NO 13 (306)	10102	10102	10110	10120	10130	10140	10150	10160	10170	10180	10192
SEQ ID NO 15 (1)	10102	10102	10110	10120	10130	10140	10150	10160	10170	10180	10192
SEQ ID NO 16 (1)	10102	10102	10110	10120	10130	10140	10150	10160	10170	10180	10192
SEQ ID NO 17 (1)	10102	10102	10110	10120	10130	10140	10150	10160	10170	10180	10192
Consensus(10102)	10102	10102	10110	10120	10130	10140	10150	10160	10170	10180	10192
	(10193)	10193	10200	10210	10220	10230	10240	10250	10260	10270	Section 113
SEQ ID NO 1(10193)	10193	10193	10200	10210	10220	10230	10240	10250	10260	10270	10283
SEQ ID NO 11 (1243)	10193	10193	10200	10210	10220	10230	10240	10250	10260	10270	10283
SEQ ID NO 13 (306)	10193	10193	10200	10210	10220	10230	10240	10250	10260	10270	10283
SEQ ID NO 15 (1)	10193	10193	10200	10210	10220	10230	10240	10250	10260	10270	10283
SEQ ID NO 16 (1)	10193	10193	10200	10210	10220	10230	10240	10250	10260	10270	10283
SEQ ID NO 17 (1)	10193	10193	10200	10210	10220	10230	10240	10250	10260	10270	10283
Consensus(10193)	10193	10193	10200	10210	10220	10230	10240	10250	10260	10270	10283
	(10284)	10284	10290	10300	10310	10320	10330	10340	10350	10360	Section 114
SEQ ID NO 1(10284)	10284	10284	10290	10300	10310	10320	10330	10340	10350	10360	10374
SEQ ID NO 11 (1334)	10284	10284	10290	10300	10310	10320	10330	10340	10350	10360	10374
SEQ ID NO 13 (306)	10284	10284	10290	10300	10310	10320	10330	10340	10350	10360	10374
SEQ ID NO 15 (1)	10284	10284	10290	10300	10310	10320	10330	10340	10350	10360	10374
SEQ ID NO 16 (1)	10284	10284	10290	10300	10310	10320	10330	10340	10350	10360	10374
SEQ ID NO 17 (1)	10284	10284	10290	10300	10310	10320	10330	10340	10350	10360	10374
Consensus(10284)	10284	10284	10290	10300	10310	10320	10330	10340	10350	10360	10374

[illegible]

[illegible]

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	10921	10930	10940	10950	10960	10970	10980	10990	11000	Section 121
SEQ ID NO 1(10921)	GGAAATAAATCTTTAAATTAAGTAATAGCTGACACCAATTCAAAGCACATATGCTAAAGTCCTTTTAATGGAATTAAC	TTTGTCAAAATTTATTTT								11011
SEQ ID NO 11 (1971)	GGAAATAAATCTTTAAATTAAGTAATAGCTGACACCAATTCAAAGCACATATGCTAAAGTCCTTTTAATGGAATTAAC	TTTGTCAAAATTTATTTT								
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	
Consensus(10921)	---	---	---	---	---	---	---	---	---	
	11012	11020	11030	11040	11050	11060	11070	11080	11090	Section 122
SEQ ID NO 1(11012)	CATAAATAAACCCAAATATGTATACCACTATTATCCTACCTTAAAGAGGAGAAACTGAGCTCCTAAAGTTTAAATATCTAACCCCAAGTTAAG	11102								11102
SEQ ID NO 11 (2062)	CATAAATAAACCCAAATATGTATACCACTATTATCCTACCTTAAAGAGGAGAAACTGAGCTCCTAAAGTTTAAATATCTAACCCCAAGTTAAG									
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	
Consensus(11012)	---	---	---	---	---	---	---	---	---	
	11103	11110	11120	11130	11140	11150	11160	11170	11180	Section 123
SEQ ID NO 1(11103)	ACTGCTAGTCACCCCTAGGCTATTAACTCAGGCAGTCTAACTCAGGTATAATAACATTATGCTACTGTTTGCAGCTTTTGACTATGCCTGAAT	11193								11193
SEQ ID NO 11 (2153)	ACTGCTAGTCACCCCTAGGCTATTAACTCAGGCAGTCTAACTCAGGTATAATAACATTATGCTACTGTTTGCAGCTTTTGACTATGCCTGAAT									
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	
Consensus(11103)	---	---	---	---	---	---	---	---	---	

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	(11194)	11194	11200	11210	11220	11230	11240	11250	11260	11270	Section 124
SEQ ID NO 1(11194)	TATAACGTCATGCTATCTA	CTAATAAAGCTAAGGAAA	TAAAAATGAGCCATAGGGCT	CAATTTTCATAAAGGAGAGAAA	TACTGGGGAAA						11284
SEQ ID NO 11 (2244)	TATAACGTCATGCTATCTA	CTAATAAAGCTAAGGAAA	TAAAAATGAGCCATAGGGCT	CAATTTTCATAAAGGAGAGAAA	TACTGGGGAAA						
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 17 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Consensus(11194)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
	(11285)	11285	11290	11300	11310	11320	11330	11340	11350	11360	Section 125
SEQ ID NO 1(11285)	AGTGATAATGCAGAGTTT	AAAAATATTTTGTAAAA	AGTGCCAGAGATTGAGTATA	ACAAGTGTGACCAAAAA	AAAAA	AAAAA	AAAAA	AAAAA	AAAAA	AAAAA	11375
SEQ ID NO 11 (2335)	AGTGATAATGCAGAGTTT	AAAAATATTTTGTAAAA	AGTGCCAGAGATTGAGTATA	ACAAGTGTGACCAAAAA	AAAAA	AAAAA	AAAAA	AAAAA	AAAAA	AAAAA	
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 17 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Consensus(11285)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
	(11376)	11376	11390	11400	11410	11420	11430	11440	11450	11466	Section 126
SEQ ID NO 1(11376)	GAAGAAGGTAAAAA	AGAGGGAGGCTCTGAGAA	ATAGAAAATATCAGAGGA	AGGAAATAAAGGAGGTG	AGAGTAAATCTCTTTAGCAT						11486
SEQ ID NO 11 (2426)	GAAGAAGGTAAAAA	AGAGGGAGGCTCTGAGAA	ATAGAAAATATCAGAGGA	AGGAAATAAAGGAGGTG	AGAGTAAATCTCTTTAGCAT						
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 17 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Consensus(11376)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	Section 127									
	(11467)	11467	11480	11490	11500	11510	11520	11530	11540	11557
SEQ ID NO 1(11467)	CAGATTCACAGATTC	CAAAATCACATTTCTTTT	TTACCAACTAAGGAAAAA	TAAACACCTTGACCTAA	CAATTCATTGCAGTTAG	CTAAAA				
SEQ ID NO 11 (2517)	CAGATTCACAGATTC	CAAAATCACATTTCTTTT	TTACCAACTAAGGAAAAA	TAAACACCTTGACCTAA	CAATTCATTGCAGTTAG	CTAAAA				
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---
Consensus(11467)										
	Section 128									
	(11558)	11558	11570	11580	11590	11600	11610	11620	11630	11648
SEQ ID NO 1(11558)	GGATGCTAGAAAAA	CTATGTTGCAGTGGTTTGCTCTA	ATTTCTTCAGGAATAGAGAAAA	GTGACAAAAAGATCAGAGAA	GAGAGAAAGGA					
SEQ ID NO 11 (2608)	GGATGCTAGAAAAA	CTATGTTGCAGTGGTTTGCTCTA	ATTTCTTCAGGAATAGAGAAAA	GTGACAAAAAGATCAGAGAA	GAGAGAAAGGA					
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---
Consensus(11558)										
	Section 129									
	(11649)	11649	11660	11670	11680	11690	11700	11710	11720	11739
SEQ ID NO 1(11649)	AACTATCAGAAAAA	TACAGAAATGGAGTAGGATATA	ACATATTTGGGTTGAAGGTAA	ATTTTATATTGTAATCTT	TAAGTATCTTGCTACT					
SEQ ID NO 11 (2699)	AACTATCAGAAAAA	TACAGAAATGGAGTAGGATATA	ACATATTTGGGTTGAAGGTAA	ATTTTATATTGTAATCTT	TAAGTATCTTGCTACT					
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---
Consensus(11649)										



SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	11740	11750	11760	11770	11780	11790	11800	11810	11820	Section 130
(11740) 11740										
SEQ ID NO 1(11740)	TCAGTTTGGTCCCTGGAAACAGCAGCATCAGAACTCTGCCGAGGGCTTGTATAAAAGGCAGAACTCAGGTCCCATCCCAGACTCACCTGAATC									11830
SEQ ID NO 11 (2790)	TCAGTTTGGTCCCTGGAAACAGCAGCATCAGAACTCTGCCGAGGGCTTGTATAAAAGGCAGAACTCAGGTCCCATCCCAGACTCACCTGAATC									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 15 (1)	-----									
SEQ ID NO 16 (1)	-----									
SEQ ID NO 17 (1)	-----									
Consensus(11740)	-----									
	11831	11840	11850	11860	11870	11880	11890	11900	11910	Section 131
(11831) 11831										
SEQ ID NO 1(11831)	AGAAATAAAATACCTGACAAAGATGCCCGGGATTTCATATGCACAGTAGAGCTGGCGAAGTTCATTTGTAGCCCTGTGATTGTTTCTGCAACT									11921
SEQ ID NO 11 (2881)	AGAAATAAAATACCTGACAAAGATGCCCGGGATTTCATATGCACAGTAGAGCTGGCGAAGTTCATTTGTAGCCCTGTGATTGTTTCTGCAACT									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 15 (1)	-----									
SEQ ID NO 16 (1)	-----									
SEQ ID NO 17 (1)	-----									
Consensus(11831)	-----									
	11922	11930	11940	11950	11960	11970	11980	11990	12000	Section 132
(11922) 11922										
SEQ ID NO 1(11922)	TAGTATTCTGAGTTTCCCAAGGAAGAAACCCAGGCCCTTAGCTTCTGGCAGACTTGTGTTTCTCCTTTACTTACTAGCTGCATGACTCA									12012
SEQ ID NO 11 (2972)	TAGTATTCTGAGTTTCCCAAGGAAGAAACCCAGGCCCTTAGCTTCTGGCAGACTTGTGTTTCTCCTTTACTTACTAGCTGCATGACTCA									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 15 (1)	-----									
SEQ ID NO 16 (1)	-----									
SEQ ID NO 17 (1)	-----									
Consensus(11922)	-----									

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	1203	1204	1205	1206	1207	1208	1209	Section 133
(12013)	12013	12020	12030	12040	12050	12060	12070	
SEQ ID NO 1(12013)	IGAGCAAGGAAATCAAACTTTAAGTGGCTGAGTTTCCTCATCTATAAAAIGGAGACTATAAATAATCAATCTCCTAGGCTTGTTTGGAGGATG							12103
SEQ ID NO 11 (3063)	TGAGCAAGGAAATCAAACTTTAAGTGGCTGAGTTTCCTCATCTATAAAAIGGAGACTATAAATAATCAATCTCCTAGGCTTGTTTGGAGGATG							
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15 (1)	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 17 (1)	-----	-----	-----	-----	-----	-----	-----	ATG
Consensus(12013)								ATG
								Section 134
(12104)	12104	12110	12120	12130	12140	12150	12160	
SEQ ID NO 1(12104)	TTCACACAAAAGTCTCCTTTTCATTTCCCTCTATTTACAGACCTGGCCGACAGACAAATCTGGCTAGCAGCCCTTTGGCTATTATCTGTTTTCCTAAACT							12180
SEQ ID NO 11 (3154)	TTCACACAAAAGTCTCCTTTTCATTTCCCTCTATTTACAGACCTGGCCGACAGACAAATCTGGCTAGCAGCCCTTTGGCTATTATCTGTTTTCCTAAACT							
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15 (1)	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 17 (4)	TTCACACAAAAGTCTCCTTTTCATTTCCCTCTATTTACAGACCTGGCCGACAGACAAATCTGGCTAGCAGCCCTTTGGCTATTATCTGTTTTCCTAAACT							
Consensus(12104)	TTCAACAAAAGTCTCCTTTTCATTTCCCTCTATTTACAGACCTGGCCGACAGACAAATCTGGCTAGCAGCCCTTTGGCTATTATCTGTTTTCCTAAACT							Section 135
(12195)	12195	12200	12210	12220	12230	12240	12250	
SEQ ID NO 1(12195)	TAGTAATTGAGTGTGATCTGGAGACTAARCTCTGAAATAAATAAGCTGATTAATTTATTTTCTCAAAAACAACAGAAATACGATTTAGCAA							12285
SEQ ID NO 11 (3245)	TAGTAATTGAGTGTGATCTGGAGACTAARCTCTGAAATAAATAAGCTGATTAATTTATTTTCTCAAAAACAACAGAAATACGATTTAGCAA							
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15 (1)	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 17 (95)	TAGTAATTGAGTGTGATCTGGAGACTAARCTCTGAAATAAATAAGCTGATTAATTTATTTTCTCAAAAACAACAGAAATACGATTTAGCAA							
Consensus(12195)	TAGTAATTGAGTGTGATCTGGAGACTAARCTCTGAAATAAATAAGCTGATTAATTTATTTTCTCAAAAACAACAGAAATACGATTTAGCAA							

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	12286	12300	12310	12320	12330	12340	12350	12360	Section 136
SEQ ID NO 1(12286)	ATTACTTCCTTAAGATAATTAATTTACAAATTTCTCCTACCCCTGAGTTGATGTTGAGCAATAATGTCACATTTTCATAAAGCCGAGGTATA								12376
SEQ ID NO 11 (3336)	ATTACTTCCTTAAGATAATTAATTTACAAATTTCTCCTACCCCTGAGTTGATGTTGAGCAATAATGTCACATTTTCATAAAGCCGAGGTATA								
SEQ ID NO 13 (306)	-----								
SEQ ID NO 15 (1)	-----								
SEQ ID NO 16 (1)	-----								
SEQ ID NO 17 (186)	ATTACTTCCTTAAGATAATTAATTTACAAATTTCTCCTACCCCTGAGTTGATGTTGAGCAATAATGTCACATTTTCATAAAGCCGAGGTATA								
Consensus(12286)	ATTACTTCCTTAAGATAATTAATTTACAAATTTCTCCTACCCCTGAGTTGATGTTGAGCAATAATGTCACATTTTCATAAAGCCGAGGTATA								Section 137
SEQ ID NO 1(12377)	CATTATGGACACAGGTAAGTAAATAAACAATATTAATTTAATTCCTACCGTTTGTGTCACAAAATTTTAAATTTTCAACTGTTGGCGGTGTTGGTAAAT								12467
SEQ ID NO 11 (3427)	CATTATGGACACAGGTAAGTAAATAAACAATATTAATTTAATTCCTACCGTTTGTGTCACAAAATTTTAAATTTTCAACTGTTGGCGGTGTTGGTAAAT								
SEQ ID NO 13 (306)	-----								
SEQ ID NO 15 (1)	-----								
SEQ ID NO 16 (1)	-----								
SEQ ID NO 17 (277)	CATTATGGACACAGGTAAGTAAATAAACAATATTAATTTAATTCCTACCGTTTGTGTCACAAAATTTTAAATTTTCAACTGTTGGCGGTGTTGGTAAAT								
Consensus(12377)	CATTATGGACACAGGTAAGTAAATAAACAATATTAATTTAATTCCTACCGTTTGTGTCACAAAATTTTAAATTTTCAACTGTTGGCGGTGTTGGTAAAT								Section 138
SEQ ID NO 1(12468)	GTAAACAACAACTCAGTACAGTAGTATTCAGTACAGTATTTTAAGCCCTGTACTTAAACATATTCCTCGTACCAATGAAGTTACATGAAAAAG								12558
SEQ ID NO 11 (3518)	GTAAACAACAACTCAGTACAGTAGTATTCAGTACAGTATTTTAAGCCCTGTACTTAAACATATTCCTCGTACCAATGAAGTTACATGAAAAAG								
SEQ ID NO 13 (306)	-----								
SEQ ID NO 15 (1)	-----								
SEQ ID NO 16 (1)	-----								
SEQ ID NO 17 (367)	-----								
Consensus(12468)	-----								

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 139										
(12559)	12559	12570	12580	12590	12600	12610	12620	12630	12649	
SEQ ID NO 1(12559)	CAAAATTGTGTGAGATATCGTAGATGGAAGTAAATTAGTCCTTTATGTTCCCCACAAAATTGAAAATGCAATTTCAAAAACTCTGTGTGTATG									
SEQ ID NO 11 (3609)	CAAAATTGTGTGAGATATCGTAGATGGAAGTAAATTAGTCCTTTATGTTCCCCACAAAATTGAAAATGCAATTTCAAAAACTCTGTGTGTATG									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 15 (1)	-----									
SEQ ID NO 16 (1)	-----									
SEQ ID NO 17 (367)	-----									
Consensus(12559)	-----									
Section 140										
(12650)	12650	12660	12670	12680	12690	12700	12710	12720	12730	12740
SEQ ID NO 1(12650)	TGTGTGTGACAGAGTGTGTGTGAGAGACAGAGAGATACGCTTTGGTTGCCCTCCATAAAGCTGGCTGCTATGATTAAATAAGACCAAG									
SEQ ID NO 11 (3700)	TGTGTGTGACAGAGTGTGTGTGAGAGACAGAGAGATACGCTTTGGTTGCCCTCCATAAAGCTGGCTGCTATGATTAAATAAGACCAAG									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 15 (1)	-----									
SEQ ID NO 16 (1)	-----									
SEQ ID NO 17 (367)	-----									
Consensus(12650)	-----									
Section 141										
(12741)	12741	12750	12760	12770	12780	12790	12800	12810	12820	12831
SEQ ID NO 1(12741)	TTTTCTAAAGAAAAATGAGATCATAACAAAAGCCCTCTTTATGACTATCTTTTATCAGGGGCCAAAAGAGACAAACAGCATGAAAT									
SEQ ID NO 11 (3791)	TTTTCTAAAGAAAAATGAGATCATAACAAAAGCCCTCTTTATGACTATCTTTTATCAGGGGCCAAAAGAGACAAACAGCATGAAAT									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 15 (1)	-----						GGGCAAAAAGGAAAGAGACAAACAGCATGAAAT			
SEQ ID NO 16 (1)	-----									
SEQ ID NO 17 (367)	-----									
Consensus(12741)	-----						GGGCAAAAAGGAAAGAGACAAACAGCATGAAAT			

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	12832	12840	12850	12860	12870	12880	12890	12900	12910	Section 142
SEQ ID NO 1(12832)	(12832)	12832	12840	12850	12860	12870	12880	12890	12900	12910
SEQ ID NO 11 (3882)	(12832)	GA	GAGACCA	AGTGA	AGAAA	TTCA	TTCA	CAAGAG	TAAT	TTCT
SEQ ID NO 13 (306)	(306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (35)	(35)	GA	GAGACCA	AGTGA	AGAAA	TTCA	TTCA	CAAGAG	TAAT	TTCT
SEQ ID NO 16 (1)	(1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	(367)	---	---	---	---	---	---	---	---	---
Consensus(12832)	(12832)	GATGAGACCAAGTGA	GATGAAAA	ATTCATTCACAATGAT	TGCTTTCAAGAGTAAT	TTCTCTTGGGTAAT	TCAGCAGCCTGT	TACTATGGCTCTC		
										Section 143
SEQ ID NO 1(12923)	(12923)	12923	12930	12940	12950	12960	12970	12980	12990	13000
SEQ ID NO 11 (3973)	(3973)	TTGGAGTGA	TAGCTAA	TGTAAT	GAAGCCTCT	TAATAAGTGGAT	TAATCC	IGACAA	GAATAT	ACTCAG
SEQ ID NO 13 (306)	(306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (126)	(126)	TTGGAGTGA	TAGCTAA	TGTAAT	GAAGCCTCT	TAATAAGTGGAT	TAATCC	IGACAA	GAATAT	ACTCAG
SEQ ID NO 16 (1)	(1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	(367)	---	---	---	---	---	---	---	---	---
Consensus(12923)	(12923)	TGGAGTGA	TAGCTAA	TGTAAT	GAAGCCTCT	TAATAAGTGGAT	TATCTCTGACAA	GAATAT	ACTCAGC	CAATAATCCATTCAA
										Section 144
SEQ ID NO 1(13014)	(13014)	13014	13020	13030	13040	13050	13060	13070	13080	13090
SEQ ID NO 11 (4064)	(4064)	AGCA	TTCCGGG	AAAAA	ATTC	AAAAAGAA	TAATA	TATCT	TTTTTTTT	TTTAAAG
SEQ ID NO 13 (306)	(306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (217)	(217)	AGCA	TTCCGGG	AAAAA	ATTC	AAAAAGAA	TAATA	TATCT	TTTTTTTT	TTTAAAG
SEQ ID NO 16 (1)	(1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	(367)	---	---	---	---	---	---	---	---	---
Consensus(13014)	(13014)	AGCA	TTCCGGGAAAAA	ATTCAAAAAGAA	TAATA	TATCTTTTTTTTTT	TTTAAAGTTAA	TGACCTAC	GATCCAT	TTTCTTCCCTGACTAACAAAGCA

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	13105	13110	13120	13130	13140	13150	13160	13170	13180	Section 145
SEQ ID NO 1(13105)	(13105)	13110	13120	13130	13140	13150	13160	13170	13180	13195
SEQ ID NO 11 (4155)	(13105)	GCAGCAGCTTAAATAATCCAGCCAGGATGAAATAGAAACCCACCTGACCTGCTAAATATTTTGGTCCCGAGGACATCAGATTCATAAG	13195							
SEQ ID NO 13 (306)	(4155)	GCAGCAGCTTAAATAATCCAGCCAGGATGAAATAGAAACCCACCTGACCTGCTAAATATTTTGGTCCCGAGGACATCAGATTCATAAG								
SEQ ID NO 15 (308)	(306)	GCAGCAGCTTAAATAATCCAGCCAGGATGAAATAGAAACCCACCTGACCTGCTAAATATTTTGGTCCCGAGGACATCAGATTCATAAG								
SEQ ID NO 16 (1)	(1)	GCAGCAGCTTAAATAATCCAGCCAGGATGAAATAGAAACCCACCTGACCTGCTAAATATTTTGGTCCCGAGGACATCAGATTCATAAG								
SEQ ID NO 17 (367)	(367)	GCAGCAGCTTAAATAATCCAGCCAGGATGAAATAGAAACCCACCTGACCTGCTAAATATTTTGGTCCCGAGGACATCAGATTCATAAG								
Consensus(13105)		GCAGCAGCTTAAATAATCCAGCCAGGATGAAATAGAAACCCACCTGACCTGCTAAATATTTTGGTCCCGAGGACATCAGATTCATAAG								Section 146
SEQ ID NO 1(13196)	(13196)	13196	13210	13220	13230	13240	13250	13260	13270	13286
SEQ ID NO 11 (4246)	(13196)	CCAAATTCCTTTGGAATGATCTTTGGCAAAATGTCICGAAATTAATTTTGGCCAACTTTTCCTTATCTTTGGAAAAAAAGTTTCAIGAAATGGGGTGCA	13286							
SEQ ID NO 13 (306)	(4246)	CCAAATTCCTTTGGAATGATCTTTGGCAAAATGTCICGAAATTAATTTTGGCCAACTTTTCCTTATCTTTGGAAAAAAAGTTTCAIGAAATGGGGTGCA								
SEQ ID NO 15 (399)	(306)	CCAAATTCCTTTGGAATGATCTTTGGCAAAATGTCICGAAATTAATTTTGGCCAACTTTTCCTTATCTTTGGAAAAAAAGTTTCAIGAAATGGGGTGCA								
SEQ ID NO 16 (1)	(1)	CCAAATTCCTTTGGAATGATCTTTGGCAAAATGTCICGAAATTAATTTTGGCCAACTTTTCCTTATCTTTGGAAAAAAAGTTTCAIGAAATGGGGTGCA								
SEQ ID NO 17 (367)	(367)	CCAAATTCCTTTGGAATGATCTTTGGCAAAATGTCICGAAATTAATTTTGGCCAACTTTTCCTTATCTTTGGAAAAAAAGTTTCAIGAAATGGGGTGCA								
Consensus(13196)		CCAAATTCCTTTGGAATGATCTTTGGCAAAATGTCICGAAATTAATTTTGGCCAACTTTTCCTTATCTTTGGAAAAAAAGTTTCAIGAAATGGGGTGCA								Section 147
SEQ ID NO 1(13287)	(13287)	13287	13300	13310	13320	13330	13340	13350	13360	13377
SEQ ID NO 11 (4337)	(13287)	AAATTGATTAGTTTTTAAATAACCTTTCTTTGCAGATACGTAATGGCAACCTTAATAACCTGTAATTAGAAAAAAAGTAAGTACTCTGTAGTGTGAAAAA	13377							
SEQ ID NO 13 (306)	(4337)	AAATTGATTAGTTTTTAAATAACCTTTCTTTGCAGATACGTAATGGCAACCTTAATAACCTGTAATTAGAAAAAAAGTAAGTACTCTGTAGTGTGAAAAA								
SEQ ID NO 15 (490)	(306)	AAATTGATTAGTTTTTAAATAACCTTTCTTTGCAGATACGTAATGGCAACCTTAATAACCTGTAATTAGAAAAAAAGTAAGTACTCTGTAGTGTGAAAAA								
SEQ ID NO 16 (1)	(490)	AAATTGATTAGTTTTTAAATAACCTTTCTTTGCAGATACGTAATGGCAACCTTAATAACCTGTAATTAGAAAAAAAGTAAGTACTCTGTAGTGTGAAAAA								
SEQ ID NO 17 (367)	(1)	AAATTGATTAGTTTTTAAATAACCTTTCTTTGCAGATACGTAATGGCAACCTTAATAACCTGTAATTAGAAAAAAAGTAAGTACTCTGTAGTGTGAAAAA								
Consensus(13287)		AAATTGATTAGTTTTTAAATAACCTTTCTTTGCAGATACGTAATGGCAACCTTAATAACCTGTAATTAGAAAAAAAGTAAGTACTCTGTAGTGTGAAAAA								

Section 148												
(13378) 13378	13390	13400	13410	13420	13430	13440	13450	13468				
SEQ ID NO 1(13378)	ATCTTAAAGGACACCCCTCTTTTACAAACTCACAAAAACAGCCTTTGGAAATACCCACATGAAGTAGCTGTTGTTATTGCTTTTCTATATACC											
SEQ ID NO 11 (4428)	ATCTTAAAGGACACCCCTCTTTTACAAACTCACAAAAACAGCCTTTGGAAATACCCACATGAAGTAGCTGTTGTTATTGCTTTTCTATATACC											
SEQ ID NO 13 (306)	---											
SEQ ID NO 15 (558)	---											
SEQ ID NO 16 (1)	---											
SEQ ID NO 17 (367)	---											
Consensus(13378)	---											
Section 149												
(13469) 13469	13480	13490	13500	13510	13520	13530	13540	13559				
SEQ ID NO 1(13469)	TACATCTTGCTATTATAAAAGACTGGTTTTTTGGCAGGTGTGGTGCCTCACACCTGTAATTCAGCACATTGGGAGGCCAAGGGGGGGCGG											
SEQ ID NO 11 (4519)	TACATCTTGCTATTATAAAAGACTGGTTTTTTGGCAGGTGTGGTGCCTCACACCTGTAATTCAGCACATTGGGAGGCCAAGGGGGGGCGG											
SEQ ID NO 13 (306)	---											
SEQ ID NO 15 (558)	---											
SEQ ID NO 16 (1)	---											
SEQ ID NO 17 (367)	---											
Consensus(13469)	---											
Section 150												
(13560) 13560	13570	13580	13590	13600	13610	13620	13630	13640	13650			
SEQ ID NO 1(13560)	ATCACCTGAGATCAGGAGTTCAGGACCAGCCTGATCAATAATGGTGAAACCCAGTCTTTACTGAAAAATACAAAAATCACCCGGGTGTGGTGA											
SEQ ID NO 11 (4610)	ATCACCTGAGATCAGGAGTTCAGGACCAGCCTGATCAATAATGGTGAAACCCAGTCTTTACTGAAAAATACAAAAATCACCCGGGTGTGGTGA											
SEQ ID NO 13 (306)	---											
SEQ ID NO 15 (558)	---											
SEQ ID NO 16 (1)	---											
SEQ ID NO 17 (367)	---											
Consensus(13560)	---											

Section 151													
(13651)	13651	13660	13670	13680	13690	13700	13710	13720	13730	13741			
SEQ ID NO 1(13651)	CGGGCGCCTG	ATGCCAGCT	ACTCGGGT	AGCTGAGG	CAGGAGAA	TCACTTGA	ACTCAGG	AGTCAGG	GTTCAG	TGAGATCATGC			
SEQ ID NO 11 (4701)	CGGGCGCCTG	ATGCCAGCT	ACTCGGGT	AGCTGAGG	CAGGAGAA	TCACTTGA	ACTCAGG	AGTCAGG	GTTCAG	TGAGATCATGC			
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---			
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---			
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---			
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---			
Consensus(13651)													
Section 152													
(13742)	13742	13750	13760	13770	13780	13790	13800	13810	13820	13832			
SEQ ID NO 1(13742)	CAC	TGCACTC	CAGCCTG	GGTGAC	AGCAAG	ACTCCAT	CTCAAAAA	AAAAA	AAAAA	AGACTGG	TTTTCAACAGCTAT	CCCCACCCCTC	
SEQ ID NO 11 (4792)	CAC	TGCACTC	CAGCCTG	GGTGAC	AGCAAG	ACTCCAT	CTCAAAAA	AAAAA	AAAAA	AGACTGG	TTTTCAACAGCTAT	CCCCACCCCTC	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---	---	---	
Consensus(13742)													
Section 153													
(13833)	13833	13840	13850	13860	13870	13880	13890	13900	13910	13923			
SEQ ID NO 1(13833)	TGCA	TGGAAA	TATTC	ACCCAG	TCAAT	TGTTTC	CTAGTT	TGGGTA	ATGGCC	CTCTGGC	AGGACTGG	AGTGGGCACACAGGAGAA	GCTGC
SEQ ID NO 11 (4883)	TGCA	TGGAAA	TATTC	ACCCAG	TCAAT	TGTTTC	CTAGTT	TGGGTA	ATGGCC	CTCTGGC	AGGACTGG	AGTGGGCACACAGGAGAA	GCTGC
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---	---	---	---
Consensus(13833)													



SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	13924	13930	13940	13950	13960	13970	13980	13990	14000	Section 154
SEQ ID NO 1(13924)	AAACTATGTTT	AGCAATGTT	AGCAATGTT	AGCAATGTT	AGCAATGTT	AGCAATGTT	AGCAATGTT	AGCAATGTT	AGCAATGTT	14014
SEQ ID NO 11 (4974)	AAACTATGTTT	AGCAATGTT	AGCAATGTT	AGCAATGTT	AGCAATGTT	AGCAATGTT	AGCAATGTT	AGCAATGTT	AGCAATGTT	14014
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(13924)	---	---	---	---	---	---	---	---	---	---
	14015	14020	14030	14040	14050	14060	14070	14080	14090	Section 155
SEQ ID NO 1(14015)	CTATGTAGAG	CAGAGCCCT	CTTACTTGC	AGTGGGAA	AGCAAGCA	AGCAAGCA	AGCAAGCA	AGCAAGCA	AGCAAGCA	14105
SEQ ID NO 11 (5065)	CTATGTAGAG	CAGAGCCCT	CTTACTTGC	AGTGGGAA	AGCAAGCA	AGCAAGCA	AGCAAGCA	AGCAAGCA	AGCAAGCA	14105
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(14015)	---	---	---	---	---	---	---	---	---	---
	14106	14120	14130	14140	14150	14160	14170	14180	14196	Section 156
SEQ ID NO 1(14106)	AGGAGGATT	TGGCTCAGT	CACTTGGCT	TGAGGCTC	ATGAAACC	AGGTGTA	AGAAAGT	GGACTAG	ATTATTT	14196
SEQ ID NO 11 (5156)	AGGAGGATT	TGGCTCAGT	CACTTGGCT	TGAGGCTC	ATGAAACC	AGGTGTA	AGAAAGT	GGACTAG	ATTATTT	14196
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(14106)	---	---	---	---	---	---	---	---	---	---

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	(14197)	14197	14210	14220	14230	14240	14250	14260	14270	Section 157
SEQ ID NO 1(14197)	AGCCGTGAAAGATAATCCAGAAATCATGGGATTTGATGGTAGAAGGTAATTTGGGACTAATTC	14287								
SEQ ID NO 11 (5247)	AGCCGTGAAAGATAATCCAGAAATCATGGGATTTGATGGTAGAAGGTAATTC	14287								
SEQ ID NO 13 (306)	-----									
SEQ ID NO 15 (558)	-----									
SEQ ID NO 16 (1)	-----									
SEQ ID NO 17 (367)	-----									
Consensus(14197)	-----									
	(14288)	14288	14300	14310	14320	14330	14340	14350	14360	Section 158
SEQ ID NO 1(14288)	CTTTGAAATTCCTTTCAAGCAAAGGATTAAATTTACCCATGAGTTGACTCAGAAAAAACATAAAAAAGTATTGTTGCTCTGCTCAGAGTTTTA	14378								
SEQ ID NO 11 (5338)	CTTTGAAATTCCTTTCAAGCAAAGGATTAAATTTACCCATGAGTTGACTCAGAAAAAACATAAAAAAGTATTGTTGCTCTGCTCAGAGTTTTA	14378								
SEQ ID NO 13 (306)	-----									
SEQ ID NO 15 (558)	-----									
SEQ ID NO 16 (1)	-----									
SEQ ID NO 17 (367)	-----									
Consensus(14288)	-----									
	(14379)	14379	14390	14400	14410	14420	14430	14440	14450	Section 159
SEQ ID NO 1(14379)	TCTAACTCATTCCTCAGTTCTTATTCCTATCCATGATGAAAATGACATAAAATGAGGTTTTTTTATTGTTGTTGTTTCTGGACACAAGGCAAG	14469								
SEQ ID NO 11 (5429)	TCTAACTCATTCCTCAGTTCTTATTCCTATCCATGATGAAAATGACATAAAATGAGGTTTTTTTATTGTTGTTGTTTCTGGACACAAGGCAAG	14469								
SEQ ID NO 13 (306)	-----									
SEQ ID NO 15 (558)	-----									
SEQ ID NO 16 (1)	-----									
SEQ ID NO 17 (367)	-----									
Consensus(14379)	-----									

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 160									
(14470)	14470	14480	14490	14500	14510	14520	14530	14540	14550
SEQ ID NO 1(14470)	GIAGCTACCTGGGCAGAGCTGTTTAA	TTTCTCTATGCCGTGGAGAGAAA	TTGGTTAA	TTGGCCCATGGAAGGCAGTCAT	TAAGATGTTCCCA				
SEQ ID NO 11 (5520)	GIAGCTACCTGGGCAGAGCTGTTTAA	TTTCTCTATGCCGTGGAGAGAAA	TTGGTTAA	TTGGCCCATGGAAGGCAGTCAT	TAAGATGTTCCCA				
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---
Consensus(14470)									
Section 161									
(14561)	14561	14570	14580	14590	14600	14610	14620	14630	14640
SEQ ID NO 1(14561)	TGCGAGTGAAC	TTCCAGGGTCC	CAGCTTC	TCGCA	TCCCTG	TCCCTCA	ATTC	CAAT	TCC
SEQ ID NO 11 (5611)	TGCGAGTGAAC	TTCCAGGGTCC	CAGCTTC	TCGCA	TCCCTG	TCCCTCA	ATTC	CAAT	TCC
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---
Consensus(14561)									
Section 162									
(14652)	14652	14660	14670	14680	14690	14700	14710	14720	14730
SEQ ID NO 1(14652)	TCA	TGAAGT	TC	CTCT	CA	TTT	TAA	AAAT	TTT
SEQ ID NO 11 (5702)	TCA	TGAAGT	TC	CTCT	CA	TTT	TAA	AAAT	TTT
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---
Consensus(14652)									

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	14743	14750	14760	14770	14780	14790	14800	14810	14820	Section 163
(14743) 14743	GGCTTAAAC	CTGGAGGAA	GGAAGCT	AACCTGAG	AAAATCTT	GCAAAATC	ATTGAGCC	AAAAACG	TAATTAAT	14833
SEQ ID NO 1(14743)	GGCTTAAAC	CTGGAGGAA	GGAAGCT	AACCTGAG	AAAATCTT	GCAAAATC	ATTGAGCC	AAAAACG	TAATTAAT	14833
SEQ ID NO 11 (5793)	GGCTTAAAC	CTGGAGGAA	GGAAGCT	AACCTGAG	AAAATCTT	GCAAAATC	ATTGAGCC	AAAAACG	TAATTAAT	14833
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(14743)	---	---	---	---	---	---	---	---	---	---
	14834	14840	14850	14860	14870	14880	14890	14900	14910	Section 164
(14834) 14834	TAGTATGT	GTCAGGC	AGTGCCCT	TTTATTTA	TTAGGCAG	GGAGAGTT	GATGGGGG	GGCGGGTT	CACACATC	14924
SEQ ID NO 1(14834)	TAGTATGT	GTCAGGC	AGTGCCCT	TTTATTTA	TTAGGCAG	GGAGAGTT	GATGGGGG	GGCGGGTT	CACACATC	14924
SEQ ID NO 11 (5884)	TAGTATGT	GTCAGGC	AGTGCCCT	TTTATTTA	TTAGGCAG	GGAGAGTT	GATGGGGG	GGCGGGTT	CACACATC	14924
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(14834)	---	---	---	---	---	---	---	---	---	---
	14925	14930	14940	14950	14960	14970	14980	14990	15000	Section 165
(14925) 14925	CTATATAA	ATCATGTA	AGTCAAG	AGAGTA	AGGAATTG	TCCTTTG	TGTTATAT	TCAGGGG	GATTAGAG	15015
SEQ ID NO 1(14925)	CTATATAA	ATCATGTA	AGTCAAG	AGAGTA	AGGAATTG	TCCTTTG	TGTTATAT	TCAGGGG	GATTAGAG	15015
SEQ ID NO 11 (5975)	CTATATAA	ATCATGTA	AGTCAAG	AGAGTA	AGGAATTG	TCCTTTG	TGTTATAT	TCAGGGG	GATTAGAG	15015
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(14925)	---	---	---	---	---	---	---	---	---	---

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	Section 166									
	(15016)	15016	15030	15040	15050	15060	15070	15080	15090	15106
SEQ ID NO 1(15016)	ACCTTGGGATCA	TTTTAGACTAAGAAA	ATGCCAAATACCGCCGGCGG	GTGGCTACGGCTGTGTA	ATCCAGCAC	TTTGAGAGGCCG	GAGGTGG			
SEQ ID NO 11 (6066)	ACCTTGGGATCA	TTTTAGACTAAGAAA	ATGCCAAATACCGCCGGCGG	GTGGCTACGGCTGTGTA	ATCCAGCAC	TTTGAGAGGCCG	GAGGTGG			
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(15016)	---	---	---	---	---	---	---	---	---	---
	Section 167									
	(15107)	15107	15120	15130	15140	15150	15160	15170	15180	15197
SEQ ID NO 1(15107)	GCGGATCACA	AGGTCAGGAGAT	TGAGACCGTCC	TGGCTAACG	TGGTGA	AAACCCCTGTCTCT	ACTAAAAATAC	AAAAATAG	CCGGCGGTGG	
SEQ ID NO 11 (6157)	GCGGATCACA	AGGTCAGGAGAT	TGAGACCGTCC	TGGCTAACG	TGGTGA	AAACCCCTGTCTCT	ACTAAAAATAC	AAAAATAG	CCGGCGGTGG	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(15107)	---	---	---	---	---	---	---	---	---	---
	Section 168									
	(15198)	15198	15210	15220	15230	15240	15250	15260	15270	15288
SEQ ID NO 1(15198)	TGGCGGGCGC	CTGTAGTCCC	AGCTACTCGGG	AGGCGGAGG	CGAGGAGAA	TGGTGTGAA	CTCAGGAGG	CGGAGCTT	GCAGTCAG	CCGAGATTG
SEQ ID NO 11 (6248)	TGGCGGGCGC	CTGTAGTCCC	AGCTACTCGGG	AGGCGGAGG	CGAGGAGAA	TGGTGTGAA	CTCAGGAGG	CGGAGCTT	GCAGTCAG	CCGAGATTG
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(15198)	---	---	---	---	---	---	---	---	---	---

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	Section 169									
	(15289)	15289	15300	15310	15320	15330	15340	15350	15360	15379
SEQ ID NO 1(15289)	CCCCAATGCAC	TCCAGCC	CTGGGCGAC	AGAACGAGAC	TCCGTC	TCAGAAC	CAAAAC	AAAAGGAAA	TGCCAA	TACCGAG
SEQ ID NO 11(6339)	CCCCAATGCAC	TCCAGCC	CTGGGCGAC	AGAACGAGAC	TCCGTC	TCAGAAC	CAAAAC	AAAAGGAAA	TGCCAA	TACCGAG
SEQ ID NO 13(306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15(558)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17(367)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(15289)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	Section 170									
	(15380)	15380	15390	15400	15410	15420	15430	15440	15450	15460
SEQ ID NO 1(15380)	TCA	TGAACATA	AGCTAA	ACAAATG	TGGCAG	TGTAGC	CTAGTGG	TTAAGAG	AGCAGAC	TCTTA
SEQ ID NO 11(6430)	TCA	TGAACATA	AGCTAA	ACAAATG	TGGCAG	TGTAGC	CTAGTGG	TTAAGAG	AGCAGAC	TCTTA
SEQ ID NO 13(306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15(558)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17(367)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(15380)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	Section 171									
	(15471)	15471	15480	15490	15500	15510	15520	15530	15540	15550
SEQ ID NO 1(15471)	TG	TAGACCC	CTC	ACTGTG	GGGTCT	TAATTA	ACCCCTG	TCTTACT	TACCCAG	TGGCAG
SEQ ID NO 11(6521)	TG	TAGACCC	CTC	ACTGTG	GGGTCT	TAATTA	ACCCCTG	TCTTACT	TACCCAG	TGGCAG
SEQ ID NO 13(306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15(558)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17(367)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(15471)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	15562	15570	15580	15590	15600	15610	15620	15630	15640	Section 172
(15562) 15562	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	15652
SEQ ID NO 1(15562)	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	15652
SEQ ID NO 11 (6612)	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	15652
SEQ ID NO 13 (306)	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	15652
SEQ ID NO 15 (558)	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	15652
SEQ ID NO 16 (1)	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	15652
SEQ ID NO 17 (367)	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	15652
Consensus(15562)	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	TTCA	15652
	15653	15660	15670	15680	15690	15700	15710	15720	15730	Section 173
(15653) 15653	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	15743
SEQ ID NO 1(15653)	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	15743
SEQ ID NO 11 (6703)	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	15743
SEQ ID NO 13 (306)	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	15743
SEQ ID NO 15 (558)	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	15743
SEQ ID NO 16 (1)	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	15743
SEQ ID NO 17 (367)	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	15743
Consensus(15653)	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	TTAA	15743
	15744	15750	15760	15770	15780	15790	15800	15810	15820	Section 174
(15744) 15744	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	15834
SEQ ID NO 1(15744)	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	15834
SEQ ID NO 11 (6794)	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	15834
SEQ ID NO 13 (306)	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	15834
SEQ ID NO 15 (558)	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	15834
SEQ ID NO 16 (1)	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	15834
SEQ ID NO 17 (367)	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	15834
Consensus(15744)	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	AGCA	15834

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	15835	15840	15850	15860	15870	15880	15890	15900	15910	Section 175
(15835) 15835	15840	15850	15860	15870	15880	15890	15900	15910	15925	
SEQ ID NO 1(15835)	TCA	TGCTCAAGAAA	TAT	TGTTGAA	TGAATCAATGAACCT	ACCGAGGTAGTTACATA	AAAAGAGTTCTGCA	TGAGTACAAA	TCTGGGCAAA	GT
SEQ ID NO 11 (6885)	TCA	TGCTCAAGAAA	TAT	TGTTGAA	TGAATCAATGAACCT	ACCGAGGTAGTTACATA	AAAAGAGTTCTGCA	TGAGTACAAA	TCTGGGCAAA	GT
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(15835)	---	---	---	---	---	---	---	---	---	---
	15926	15940	15950	15960	15970	15980	15990	16000	16016	Section 176
(15926) 15926	15940	15950	15960	15970	15980	15990	16000	16016		
SEQ ID NO 1(15926)	GAC	CTCCAAGGAAA	TTTCCAC	TTTCTAGATTC	CTGTGATTTCC	TAAAGGAAC	TGATAAA	TTGGTGATACAA	TGTAA	AAAAAAATGTG
SEQ ID NO 11 (6976)	GAC	CTCCAAGGAAA	TTTCCAC	TTTCTAGATTC	CTGTGATTTCC	TAAAGGAAC	TGATAAA	TTGGTGATACAA	TGTAA	AAAAAAATGTG
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(15926)	---	---	---	---	---	---	---	---	---	---
	16017	16030	16040	16050	16060	16070	16080	16090	16107	Section 177
(16017) 16017	16030	16040	16050	16060	16070	16080	16090	16107		
SEQ ID NO 1(16017)	TGA	TTTGAGAAAA	ACTTAT	TTTCTCTC	CCCTCTTT	TTTCCCTT	CCCTCCCT	TCCTTCCCT	TCCTTCCCT	CCCC
SEQ ID NO 11 (7067)	TGA	TTTGAGAAAA	ACTTAT	TTTCTCTC	CCCTCTTT	TTTCCCTT	CCCTCCCT	TCCTTCCCT	TCCTTCCCT	CCCC
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(16017)	---	---	---	---	---	---	---	---	---	---



SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	Section 178									
	16108	16120	16130	16140	16150	16160	16170	16180	16198	
(16108) 16108	16108	16120	16130	16140	16150	16160	16170	16180	16198	
SEQ ID NO 1(16108)	16108	16120	16130	16140	16150	16160	16170	16180	16198	
SEQ ID NO 11 (7158)	16108	16120	16130	16140	16150	16160	16170	16180	16198	
SEQ ID NO 13 (306)	16108	16120	16130	16140	16150	16160	16170	16180	16198	
SEQ ID NO 15 (558)	16108	16120	16130	16140	16150	16160	16170	16180	16198	
SEQ ID NO 16 (1)	16108	16120	16130	16140	16150	16160	16170	16180	16198	
SEQ ID NO 17 (367)	16108	16120	16130	16140	16150	16160	16170	16180	16198	
Consensus(16108)	16108	16120	16130	16140	16150	16160	16170	16180	16198	
	Section 179									
	16199	16210	16220	16230	16240	16250	16260	16270	16289	
(16199) 16199	16199	16210	16220	16230	16240	16250	16260	16270	16289	
SEQ ID NO 1(16199)	16199	16210	16220	16230	16240	16250	16260	16270	16289	
SEQ ID NO 11 (7249)	16199	16210	16220	16230	16240	16250	16260	16270	16289	
SEQ ID NO 13 (306)	16199	16210	16220	16230	16240	16250	16260	16270	16289	
SEQ ID NO 15 (558)	16199	16210	16220	16230	16240	16250	16260	16270	16289	
SEQ ID NO 16 (1)	16199	16210	16220	16230	16240	16250	16260	16270	16289	
SEQ ID NO 17 (367)	16199	16210	16220	16230	16240	16250	16260	16270	16289	
Consensus(16199)	16199	16210	16220	16230	16240	16250	16260	16270	16289	
	Section 180									
	16290	16300	16310	16320	16330	16340	16350	16360	16370	16380
(16290) 16290	16290	16300	16310	16320	16330	16340	16350	16360	16370	16380
SEQ ID NO 1(16290)	16290	16300	16310	16320	16330	16340	16350	16360	16370	16380
SEQ ID NO 11 (7340)	16290	16300	16310	16320	16330	16340	16350	16360	16370	16380
SEQ ID NO 13 (306)	16290	16300	16310	16320	16330	16340	16350	16360	16370	16380
SEQ ID NO 15 (558)	16290	16300	16310	16320	16330	16340	16350	16360	16370	16380
SEQ ID NO 16 (1)	16290	16300	16310	16320	16330	16340	16350	16360	16370	16380
SEQ ID NO 17 (367)	16290	16300	16310	16320	16330	16340	16350	16360	16370	16380
Consensus(16290)	16290	16300	16310	16320	16330	16340	16350	16360	16370	16380

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	(16381)	16381	16390	16400	16410	16420	16430	16440	16450	16460	Section 181
SEQ ID NO 1(16381)	AGGAAAGTGAAGCACA	AAATAACAAGGGTCTCCAGTCA	TCTCCACATGTTCTTAAATCA	TATTAATCAATTAATCAATTA	TCTTTACAGTTTCAATATCTCCAGGCTT	16471					
SEQ ID NO 11 (7431)	AGGAAAGTGAAGCACA	AAATAACAAGGGTCTCCAGTCA	TCTCCACATGTTCTTAAATCA	TATTAATCAATTAATCAATTA	TCTTTACAGTTTCAATATCTCCAGGCTT						
SEQ ID NO 13 (306)	---	---	---	---	---						
SEQ ID NO 15 (558)	---	---	---	---	---						
SEQ ID NO 16 (1)	---	---	---	---	---	TTTCAATATCTCCAGGCTT					
SEQ ID NO 17 (367)	---	---	---	---	---	TTTCAATATCTCCAGGCTT					
Consensus(16381)						TTTCAATATCTCCAGGCTT	Section 182				
	(16472)	16472	16480	16490	16500	16510	16520	16530	16540	16550	16562
SEQ ID NO 1(16472)	TTCAATGGGTCAGGTTGG	CAATTCGGCTGGCCCTTAA	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	
SEQ ID NO 11 (7522)	TTCAATGGGTCAGGTTGG	CAATTCGGCTGGCCCTTAA	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	
SEQ ID NO 13 (306)	---	---	---	---	---						
SEQ ID NO 15 (558)	---	---	---	---	---						
SEQ ID NO 16 (19)	TTCAATGGGTCAGGTTGG	CAATTCGGCTGGCCCTTAA	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	
SEQ ID NO 17 (367)	---	---	---	---	---						
Consensus(16472)	TTCAATGGGTCAGGTTGG	CAATTCGGCTGGCCCTTAA	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	TGGTGGTGGTGGTGGTGGTGG	
	(16563)	16563	16570	16580	16590	16600	16610	16620	16630	16640	Section 183
SEQ ID NO 1(16563)	TCGCGCAGCAGTTCCTGG	GCGGTTTCAGCTGCTTCC	CACATCACCTGCCTCATCA	AGCCCCCAGCATCCTTGG	CTCATCTTACACCC						
SEQ ID NO 11 (7613)	TCGCGCAGCAGTTCCTGG	GCGGTTTCAGCTGCTTCC	CACATCACCTGCCTCATCA	AGCCCCCAGCATCCTTGG	CTCATCTTACACCC						
SEQ ID NO 13 (306)	---	---	---	---	---						
SEQ ID NO 15 (558)	---	---	---	---	---						
SEQ ID NO 16 (110)	TCGCGCAGCAGTTCCTGG	GCGGTTTCAGCTGCTTCC	CACATCACCTGCCTCATCA	AGCCCCCAGCATCCTTGG	CTCATCTTACACCC						
SEQ ID NO 17 (367)	---	---	---	---	---						
Consensus(16563)	TCGCGCAGCAGTTCCTGG	GCGGTTTCAGCTGCTTCC	CACATCACCTGCCTCATCA	AGCCCCCAGCATCCTTGG	CTCATCTTACACCC						

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 184									
(16654) 16654	16660	16670	16680	16690	16700	16710	16720	16730	16744
SEQ ID NO 1(16654)	FGTGTGCAATGACACAGGCCCCACCAATTCATTTATTCAGAGCAAAAGGCTCTCCCACTATTCCTGGTTCA	CCCCCTAC	CCCCCTAC	CCCCCTAC	CCCCCTAC	CCCCCTAC	CCCCCTAC	CCCCCTAC	CCCCCTAC
SEQ ID NO 11 (7704)	FGTGTGCAATGACACAGGCCCCACCAATTCATTTATTCAGAGCAAAAGGCTCTCCCACTATTCCTGGTTCA	CCCCCTAC	CCCCCTAC	CCCCCTAC	CCCCCTAC	CCCCCTAC	CCCCCTAC	CCCCCTAC	CCCCCTAC
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (201)	FGTGTGCAATGACACAGGCCCCACCAATTCATTTATTCAGAGCAAAAGGCTCTCCCACTATTCCTGGTTCA	CCCCCTAC	CCCCCTAC	CCCCCTAC	CCCCCTAC	CCCCCTAC	CCCCCTAC	CCCCCTAC	CCCCCTAC
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(16654)	TGTGTGCAATGACAGGCCCCACCAATTCATTTATTCAGAGCAAAAGGCTCTCCCACTATTCCTGGTTCA	CCCCCTAC	CCCCCTAC	CCCCCTAC	CCCCCTAC	CCCCCTAC	CCCCCTAC	CCCCCTAC	CCCCCTAC
Section 185									
(16745) 16745	16750	16760	16770	16780	16790	16800	16810	16820	16835
SEQ ID NO 1(16745)	TATCTGCACGGATGACCTGCCTCACC	TGGGAGCTCAGAGGAGCTCAGATTC	CAATTC	CAATTC	CAATTC	CAATTC	CAATTC	CAATTC	CAATTC
SEQ ID NO 11 (7795)	TATCTGCACGGATGACCTGCCTCACC	TGGGAGCTCAGAGGAGCTCAGATTC	CAATTC	CAATTC	CAATTC	CAATTC	CAATTC	CAATTC	CAATTC
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (292)	TATCTGCACGGATGACCTGCCTCACC	TGGGAGCTCAGAGGAGCTCAGATTC	CAATTC	CAATTC	CAATTC	CAATTC	CAATTC	CAATTC	CAATTC
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(16745)	TATCTGCACGGATGACCTGCCTCACC	TGGGAGCTCAGAGGAGCTCAGATTC	CAATTC	CAATTC	CAATTC	CAATTC	CAATTC	CAATTC	CAATTC
Section 186									
(16836) 16836	16850	16860	16870	16880	16890	16900	16910	16926	
SEQ ID NO 1(16836)	ACAGAAAAGACTAATGCTGCCCCCAAAATCTCCCTTCCAAAACACAGTTCTCTTAATTTCTCCCAAGAAACCAGAAATGTGACTGCTCACCCTCTC								
SEQ ID NO 11 (7886)	ACAGAAAAGACTAATGCTGCCCCCAAAATCTCCCTTCCAAAACACAGTTCTCTTAATTTCTCCCAAGAAACCAGAAATGTGACTGCTCACCCTCTC								
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (383)	ACAGAAAAGACTAATGCTGCCCCCAAAATCTCCCTTCCAAAACACAGTTCTCTTAATTTCTCCCAAGAAACCAGAAATGTGACTGCTCACCCTCTC								
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(16836)	ACAGAAAAGACTAATGCTGCCCCCAAAATCTCCCTTCCAAAACACAGTTCTCTTAATTTCTCCCAAGAAACCAGAAATGTGACTGCTCACCCTCTC								

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

												Section 187
(16927)	16927	16940	16950	16960	16970	16980	16990	17000				17017
SEQ ID NO 1(16927)	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC				TAAGGACCTGGAACAAAC
SEQ ID NO 11 (7977)	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC				TAAGGACCTGGAACAAAC
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----				-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----				-----
SEQ ID NO 16 (474)	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC				TAAGGACCTGGAACAAAC
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----				-----
Consensus(16927)	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC	TAAGGACCTGGAACAAAC				TAAGGACCTGGAACAAAC
												Section 188
(17018)	17018	17030	17040	17050	17060	17070	17080	17090				17108
SEQ ID NO 1(17018)	AIAACATAA	AIAACATAA	AIAACATAA	AIAACATAA	AIAACATAA	AIAACATAA	AIAACATAA	AIAACATAA				AIAACATAA
SEQ ID NO 11 (8068)	AIAACATAA	AIAACATAA	AIAACATAA	AIAACATAA	AIAACATAA	AIAACATAA	AIAACATAA	AIAACATAA				AIAACATAA
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----				-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----				-----
SEQ ID NO 16 (565)	AIAACATAA	AIAACATAA	AIAACATAA	AIAACATAA	AIAACATAA	AIAACATAA	AIAACATAA	AIAACATAA				AIAACATAA
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----				-----
Consensus(17018)	AIAACATAA	AIAACATAA	AIAACATAA	AIAACATAA	AIAACATAA	AIAACATAA	AIAACATAA	AIAACATAA				AIAACATAA
												Section 189
(17109)	17109	17120	17130	17140	17150	17160	17170	17180				17199
SEQ ID NO 1(17109)	GGATTCTAA	GGATTCTAA	GGATTCTAA	GGATTCTAA	GGATTCTAA	GGATTCTAA	GGATTCTAA	GGATTCTAA				GGATTCTAA
SEQ ID NO 11 (8159)	GGATTCTAA	GGATTCTAA	GGATTCTAA	GGATTCTAA	GGATTCTAA	GGATTCTAA	GGATTCTAA	GGATTCTAA				GGATTCTAA
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----				-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----				-----
SEQ ID NO 16 (656)	GGATTCTAA	GGATTCTAA	GGATTCTAA	GGATTCTAA	GGATTCTAA	GGATTCTAA	GGATTCTAA	GGATTCTAA				GGATTCTAA
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----				-----
Consensus(17109)	GGATTCTAA	GGATTCTAA	GGATTCTAA	GGATTCTAA	GGATTCTAA	GGATTCTAA	GGATTCTAA	GGATTCTAA				GGATTCTAA

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	(17200)	17200	17210	17220	17230	17240	17250	17260	17270	17280	17290	Section 190
SEQ ID NO 1(17200)	GI	CTTCC	TTCCAAATCT	TTGACATTTAA	TCAGAAATTTG	AAATTTGATTTT	TTGGAAAAC	TGTTTCC	TAAGGCTATC	TCGTGCC	TGAAGGATTTT	
SEQ ID NO 11 (8250)	GI	CTTCC	TTCCAAATCT	TTGACATTTAA	TCAGAAATTTG	AAATTTGATTTT	TTGGAAAAC	TGTTTCC	TAAGGCTATC	TCGTGCC	TGAAGGATTTT	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (747)	GI	CTTCC	TTCCAAATCT	TTGACATTTAA	TCAGAAATTTG	AAATTTGATTTT	TTGGAAAAC	TGTTTCC	TAAGGCTATC	TCGTGCC	TGAAGGATTTT	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---	---	
Consensus(17200)	GT	TTCTT	CTTCAAATCT	TTGACATTTAA	TCAATCAGAAATTT	GATTTT	TTGGAAAAC	TGTTTCC	TATGAAGCTATC	TCTCTGCCT	GGAAGGATTTT	
	(17291)	17291	17300	17310	17320	17330	17340	17350	17360	17370	17381	Section 191
SEQ ID NO 1(17291)	CT	TTTACAA	ATCCAGACTA	TAGAAGGAAAT	TCAGAAATTT	CAACCTGGAC	TTTCA	CCCTCCAT	TTGGTCAGAG	TTTTTAC	TGACCAATTTCC	
SEQ ID NO 11 (8341)	CT	TTTACAA	ATCCAGACTA	TAGAAGGAAAT	TCAGAAATTT	CAACCTGGAC	TTTCA	CCCTCCAT	TTGGTCAGAG	TTTTTAC	TGACCAATTTCC	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (838)	CT	TTTACAA	ATCCAGACTA	TAGAAGGAAAT	TCAGAAATTT	CAACCTGGAC	TTTCA	CCCTCCAT	TTGGTCAGAG	TTTTTAC	TGACCAATTTCC	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---	---	
Consensus(17291)	CT	TTTACAA	ATCCAGACTA	TAGAAGGAAAT	TCAGAAATTT	CAACCTGGAC	TTTCA	CCCTCCAT	TTGGTCAGAG	TTTTTAC	TGACCAATTTCC	
	(17382)	17382	17390	17400	17410	17420	17430	17440	17450	17460	17472	Section 192
SEQ ID NO 1(17382)	TAC	ACCTAAC	CGGAAGTTT	ATG	CCCTGTTT	CTCTTCACAT	ATCCCAACAG	TTTACAAATGG	TTGTTTATTA	ATAAGCA	TCCTTTATTTTGTGGC	
SEQ ID NO 11 (8432)	TAC	ACCTAAC	CGGAAGTTT	ATG	CCCTGTTT	CTCTCTTCACAT	ATCCCAACAG	TTTACAAATGG	TTGTTTATTA	ATAAGCA	TCCTTTATTTTGTGGC	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (929)	TAC	ACCTAAC	CGGAAGTTT	ATG	CCCTGTTT	CTCTCTTCACAT	ATCCCAACAG	TTTACAAATGG	TTGTTTATTA	ATAAGCA	TCCTTTATTTTGTGGC	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---	---	
Consensus(17382)	TAC	ACCTAAC	CGGAAGTTT	ATG	CCCTGTTT	CTCTCTTCACAT	ATCCCAACAG	TTTACAAATGG	TTGTTTATTA	ATAAGCA	TCCTTTATTTTGTGGC	

	17473	17480	17490	17500	17510	17520	17530	17540	17550	Section 193
SEQ ID NO 1(17473)	(17473)									17563
SEQ ID NO 11 (8523)										
SEQ ID NO 13 (306)										
SEQ ID NO 15 (558)										
SEQ ID NO 16 (1020)										
SEQ ID NO 17 (367)										
Consensus(17473)	CTCTGATTACATGGTCCCCTAAATTTTGACCTAATCACAAAAGATTGGTAAAAATTTCTTAACATATTAAATAATTTTGTGTTTATGTTGTCAA									Section 194
SEQ ID NO 1(17564)	(17564)	17570	17580	17590	17600	17610	17620	17630	17640	17654
SEQ ID NO 11 (8614)										
SEQ ID NO 13 (306)										
SEQ ID NO 15 (558)										
SEQ ID NO 16 (1111)										
SEQ ID NO 17 (367)										
Consensus(17564)	TATCTTAGCATGTATCAATTAAGACACAGAGGTTCTTAAACGTTCTCTTTTGAAGAGAGAATATTAGGATTCAGAGATATTAAGAGATTCTCTCCCA									Section 195
SEQ ID NO 1(17655)	(17655)	17660	17670	17680	17690	17700	17710	17720	17730	17745
SEQ ID NO 11 (8705)										
SEQ ID NO 13 (306)										
SEQ ID NO 15 (558)										
SEQ ID NO 16 (1202)										
SEQ ID NO 17 (367)										
Consensus(17655)	GGATCACAGTTAGGTAACACAGAGCTGGATTTTAGTCCAGGTCGTCTACAGCTCTAACCGTATATACACCCCTTTGTATAACATGTCACCGAATT									

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	17746	17760	17770	17780	17790	17800	17810	17820	Section 196
(17746) 17746									
SEQ ID NO 1(17746)	CAGCATAAAGGGATCTTCAGIGATCTAAGTCAGGGGTCAGCAACCTTTTCTAATAAAGGACCAATATAGTAAATATTTTCAGGCTTTTGTGGACCC								17836
SEQ ID NO 11 (8796)	CAGCATAAAGGGATCTTCAGIGATCTAAGTCAGGGGTCAGCAACCTTTTCTAATAAAGGACCAATATAGTAAATATTTTCAGGCTTTTGTGGACCC								
SEQ ID NO 13 (306)	-----								
SEQ ID NO 15 (558)	-----								
SEQ ID NO 16 (1293)	CAGCATAAAGGGATCTTCAGIGATCTAAGTCAGGGGTCAGCAACCTTTTCTAATAAAGGACCAATATAGTAAATATTTTCAGGCTTTTGTGGACCC								
SEQ ID NO 17 (367)	-----								
Consensus(17746)	CAGCATAAAGGGATCTTCAGTGATCTAAGTCAGGGGTCAGCAACCTTTTCTAATAAAGGACCAATATAGTAAATATTTTCAGGCTTTTGTGGACCC								Section 197
(17837) 17837		17850	17860	17870	17880	17890	17900	17910	
SEQ ID NO 1(17837)	TAAGGTCCTCTATCATAAACIGTTCAAAATCACCATGTAGTGTAAAAGGAGCCCATTAAGCAAAATATAAACTAACGAAATGTGGCTGTTTTATGGG								17927
SEQ ID NO 11 (8887)	TAAGGTCCTCTATCATAAACIGTTCAAAATCACCATGTAGTGTAAAAGGAGCCCATTAAGCAAAATATAAACTAACGAAATGTGGCTGTTTTATGGG								
SEQ ID NO 13 (306)	-----								
SEQ ID NO 15 (558)	-----								
SEQ ID NO 16 (1384)	TAAGGTCCTCTATCATAAACIGTTCAAAATCACCATGTAGTGTAAAAGGAGCCCATTAAGCAAAATATAAACTAACGAAATGTGGCTGTTTTATGGG								
SEQ ID NO 17 (367)	-----								
Consensus(17837)	TAAGGTCCTCTATCATAAACIGTTCAAAATCACCATGTAGTGTAAAAGGAGCCCATTAAGCAAAATATAAACTAACGAAATGTGGCTGTTTTATGGG								Section 198
(17928) 17928		17940	17950	17960	17970	17980	17990	18000	
SEQ ID NO 1(17928)	ATTTTCTTTTAACTCTTTTATTACAAAAGCAGGTGGCAGATCAGAACTCAGTTATGGGCCATAGTTCTCTGACCCCTGACCTTGAGAAAAATC								18018
SEQ ID NO 11 (8978)	ATTTTCTTTTAACTCTTTTATTACAAAAGCAGGTGGCAGATCAGAACTCAGTTATGGGCCATAGTTCTCTGACCCCTGACCTTGAGAAAAATC								
SEQ ID NO 13 (306)	-----								
SEQ ID NO 15 (558)	-----								
SEQ ID NO 16 (1475)	ATTTTCTTTTAACTCTTTTATTACAAAAGCAGGTGGCAGATCAGAACTCAGTTATGGGCCATAGTTCTCTGACCCCTGACCTTGAGAAAAATC								
SEQ ID NO 17 (367)	-----								
Consensus(17928)	ATTTTCTTTTAACTCTTTTATTACAAAAGCAGGTGGCAGATCAGAACTCAGTTATGGGCCATAGTTCTCTGACCCCTGACCTTGAGAAAAATC								

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	(18019)	18019	18030	18040	18050	18060	18070	18080	18090	Section 199	
SEQ ID NO 1(18019)	TTAATA	TTATGGACAACA	ATTTAGACTGTG	GACTTGGCAAGTA	GACAACAAGGCTCTG	TCACATGAGGTC	CAAGGCTTCTG	GAAGGTC	CAAGGCTTCTG	GAAGGTC	
SEQ ID NO 11 (9069)	TTAATA	TTATGGACAACA	ATTTAGACTGTG	GACTTGGCAAGTA	GACAACAAGGCTCTG	TCACATGAGGTC	CAAGGCTTCTG	GAAGGTC	CAAGGCTTCTG	GAAGGTC	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1566)	TTAATA	TTATGGACAACA	ATTTAGACTGTG	GACTTGGCAAGTA	GACAACAAGGCTCTG	TCACATGAGGTC	CAAGGCTTCTG	GAAGGTC	CAAGGCTTCTG	GAAGGTC	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---	
Consensus(18019)	TTAATA	TTATGGACAACA	ATTTAGACTGTG	GACTTGGCAAGTA	GACAACAAGGCTCTG	TCACATGAGGTC	CAAGGCTTCTG	GAAGGTC	CAAGGCTTCTG	GAAGGTC	
	(18110)	18110	18120	18130	18140	18150	18160	18170	18180	18190	18200
SEQ ID NO 1(18110)	AAGAGC	TGCTCTGGTGT	TAAATGATAA	AGTGGAAATAG	TTAAAGTTAG	AAGATCCAGTTAT	TAAAGACGCA	CAAAAGAA	TAAATGACCA	TAGACTCTCT	
SEQ ID NO 11 (9160)	AAGAGC	TGCTCTGGTGT	TAAATGATAA	AGTGGAAATAG	TTAAAGTTAG	AAGATCCAGTTAT	TAAAGACGCA	CAAAAGAA	TAAATGACCA	TAGACTCTCT	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1657)	AAGAGC	TGCTCTGGTGT	TAAATGATAA	AGTGGAAATAG	TTAAAGTTAG	AAGATCCAGTTAT	TAAAGACGCA	CAAAAGAA	TAAATGACCA	TAGACTCTCT	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---	
Consensus(18110)	AAGAGC	TGCTCTGGTGT	TAAATGATAA	AGTGGAAATAG	TTAAAGTTAG	AAGATCCAGTTAT	TAAAGACGCA	CAAAAGAA	TAAATGACCA	TAGACTCTCT	
	(18201)	18201	18210	18220	18230	18240	18250	18260	18270	18280	18291
SEQ ID NO 1(18201)	GAACAAGA	ATGCTCTGGAC	TTCTGGCTTAG	GGCATTCTG	TATGGTCCAG	GGCCAAAGTTAC	CTAAATCTCTCC	AGGCTCCATTT	CTCTTATC	---	---
SEQ ID NO 11 (9251)	GAACAAGA	ATGCTCTGGAC	TTCTGGCTTAG	GGCATTCTG	TATGGTCCAG	GGCCAAAGTTAC	CTAAATCTCTCC	AGGCTCCATTT	CTCTTATC	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1748)	GAACAAGA	ATGCTCTGGAC	TTCTGGCTTAG	GGCATTCTG	TATGGTCCAG	GGCCAAAGTTAC	CTAAATCTCTCC	AGGCTCCATTT	CTCTTATC	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---	---
Consensus(18201)	GAACAAGA	ATGCTCTGGAC	TTCTGGCTTAG	GGCATTCTG	TATGGTCCAG	GGCCAAAGTTAC	CTAAATCTCTCC	AGGCTCCATTT	CTCTTATC	---	---



SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	18292	18300	18310	18320	18330	18340	18350	18360	18370	Section 202
(18292) 18292	ATTAATGAAGATAATAAAGTATTTTCCTCAGAGAGCTGTAAAGAAATAAACTGAGCTAACCCCAATGTCAGGACATAGAAATAGGGCCCAAGCC									18382
SEQ ID NO 1(18292)	ATTAATGAAGATAATAAAGTATTTTCCTCAGAGAGCTGTAAAGAAATAAACTGAGCTAACCCCAATGTCAGGACATAGAAATAGGGCCCAAGCC									
SEQ ID NO 11 (9342)	ATTAATGAAGATAATAAAGTATTTTCCTCAGAGAGCTGTAAAGAAATAAACTGAGCTAACCCCAATGTCAGGACATAGAAATAGGGCCCAAGCC									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 15 (558)	-----									
SEQ ID NO 16 (1839)	ATTAATGAAGATAATAAAGTATTTTCCTCAGAGAGCTGTAAAGAAATAAACTGAGCTAACCCCAATGTCAGGACATAGAAATAGGGCCCAAGCC									
SEQ ID NO 17 (367)	-----									
Consensus(18292)	ATTAATGAAGATAATAAAGTATTTTCCTCAGAGAGCTGTAAAGAAATAAACTGAGCTAACCCCAATGTCAGGACATAGAAATAGGGCCCAAGCC									
										Section 203
(18383) 18383	18390	18400	18410	18420	18430	18440	18450	18460	18473	
SEQ ID NO 1(18383)	TATATTAAATTTTATCAATAAAATGCCCAGCTACATATTAGTTCTCTATATTTTTCATTATCATATAAAATGTTTATCTACAGATTGGCAATTGT									
SEQ ID NO 11 (9433)	TATATTAAATTTTATCAATAAAATGCCCAG									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 15 (558)	-----									
SEQ ID NO 16 (1930)	TATATTAAATTTTATCAATAAAATGCCCAG									
SEQ ID NO 17 (367)	-----									
Consensus(18383)	TATATTAAATTTTATCAATAAAATGCCCAG									
										Section 204
(18474) 18474	18480	18490	18500	18510	18520	18530	18540	18550	18564	
SEQ ID NO 1(18474)	AAGGATGGAGTTAAATTTGTATGTATGTGAAGGAAATTTCTCTGTTACTATTGATCTGCATCACATTACCCCAAAATTTGATGGCTTAAA									
SEQ ID NO 11 (9459)	-----									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 15 (558)	-----									
SEQ ID NO 16 (1956)	-----									
SEQ ID NO 17 (367)	-----									
Consensus(18474)	-----									

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 205													
(18565)	18565	18570	18580	18590	18600	18610	18620	18630	18640	18655			
SEQ ID NO 1(18565)	GTAACAACA	TTTCA	TTTTG	CAAA	CAAA	TTT	GAAA	TTT	GAGG	GGC	TTG	CTG	GGG
SEQ ID NO 11 (9459)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1956)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(18565)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Section 206													
(18656)	18656	18670	18680	18690	18700	18710	18720	18730	18746				
SEQ ID NO 1(18656)	AGGCTTG	ACGG	ACTG	GCACA	TGCC	CTT	CCAGA	ATG	CCCC	CACT	CGCA	TGCT	GGCT
SEQ ID NO 11 (9459)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1956)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(18656)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Section 207													
(18747)	18747	18760	18770	18780	18790	18800	18810	18820	18837				
SEQ ID NO 1(18747)	GCTGAG	TGCT	AGGG	TCCC	CTGG	GAGG	TTCC	TTGT	GGCC	TGA	ACTT	CC	TCA
SEQ ID NO 11 (9459)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1956)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(18747)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 208										
(18838) 18838	18850	18860	18870	18880	18890	18900	18910	18928		
SEQ ID NO 1(18838)	AGCCAAGATGACAC	GTGTAATTAC	TGTGTAAGAC	CCAGCC	TGGGAAT	TAA	GTAGCC	TCAC	TTCC	AC
SEQ ID NO 11 (9459)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1956)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(18838)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Section 209										
(18929) 18929	18940	18950	18960	18970	18980	18990	19000	19019		
SEQ ID NO 1(18929)	ATTAAAGT	CACCCCA	TATTC	CAAGGG	GATAGG	AATT	AGACT	TTCA	GTAT	TAA
SEQ ID NO 11 (9459)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1956)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(18929)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Section 210										
(19020) 19020	19030	19040	19050	19060	19070	19080	19090	19100	19110	
SEQ ID NO 1(19020)	TC	TAAAGT	CCACTT	ACTGG	CTGC	AGATT	ATTAT	TATAT	ACATG	CACT
SEQ ID NO 11 (9459)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1956)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(19020)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 211										
(19111)	19111	19120	19130	19140	19150	19160	19170	19180	19190	19201
SEQ ID NO 1(19111)	AGA TGA AGC TCTTCAAGTGAGATTTCTTA	AGTAAATGAGATTTCTTA	AGTAAATGAGATTTCTTA	AGTAAATGAGATTTCTTA	AGTAAATGAGATTTCTTA	AGTAAATGAGATTTCTTA	AGTAAATGAGATTTCTTA	AGTAAATGAGATTTCTTA	AGTAAATGAGATTTCTTA	AGTAAATGAGATTTCTTA
SEQ ID NO 11 (9459)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1956)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(19111)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Section 212										
(19202)	19202	19210	19220	19230	19240	19250	19260	19270	19280	19292
SEQ ID NO 1(19202)	ACGCAATATTCAATGGTAAAGTATACATAGGACAGCCACTACAGACACTCTTGT	TTTAAATAGAGGAAAAATGAGAGCACATAACAGTCATT	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 11 (9459)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1956)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(19202)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Section 213										
(19293)	19293	19300	19310	19320	19330	19340	19350	19360	19370	19383
SEQ ID NO 1(19293)	GGCTCATAGCAACTCTGATATCCAGACAGCAAAACACAAAGCAGGCTTTTTTTTAGGTCCTCAGTCCCTACTGGATTCCCTACTGCTCTTG	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 11 (9459)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1956)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(19293)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	19384	19390	19400	19410	19420	19430	19440	19450	19460	Section 214
(19384) 19384	GGTC	TTCC	CCAG	GTTC	TTGG	ATCT	TTTCA	TTAA	TA	19474
SEQ ID NO 1(19384)	GGTC	TTCC	CCAG	GTTC	TTGG	ATCT	TTTCA	TTAA	TA	19474
SEQ ID NO 11 (9459)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1956)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(19384)	---	---	---	---	---	---	---	---	---	---
	19475	19480	19490	19500	19510	19520	19530	19540	19550	Section 215
(19475) 19475	CAAT	CTGT	TTAA	AAAT	TC	CCAG	ACTT	CC	TG	19565
SEQ ID NO 1(19475)	CAAT	CTGT	TTAA	AAAT	TC	CCAG	ACTT	CC	TG	19565
SEQ ID NO 11 (9459)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1956)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(19475)	---	---	---	---	---	---	---	---	---	---
	19566	19580	19590	19600	19610	19620	19630	19640	19656	Section 216
(19566) 19566	CTGA	GATC	CCCT	GT	AG	CG	CTGT	GATG	GG	19656
SEQ ID NO 1(19566)	CTGA	GATC	CCCT	GT	AG	CG	CTGT	GATG	GG	19656
SEQ ID NO 11 (9459)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1956)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(19566)	---	---	---	---	---	---	---	---	---	---

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

	19657	19670	19680	19690	19700	19710	19720	19730	Section 217
(19657) 19657	TTAGATCC	TTAGAGGAAC	CTGTGTTT	CAAGGGCTTA	TAGACATTA	ACCTTAATA	CTTTCTAAGG	TAACAAAGG	19747
SEQ ID NO 1(19657)	TTAGATCC	TTAGAGGAAC	CTGTGTTT	CAAGGGCTTA	TAGACATTA	ACCTTAATA	CTTTCTAAGG	TAACAAAGG	19747
SEQ ID NO 11 (9459)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1956)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(19657)	-----	-----	-----	-----	-----	-----	-----	-----	-----
	19748	19760	19770	19780	19790	19800	19810	19820	Section 218
(19748) 19748	GTTTGATC	TTTGAGCT	GACACCTTT	TCTTAATTT	GAGAAATC	CCCTGCTCT	ATGGAGAG	ACTGACAA	19838
SEQ ID NO 1(19748)	GTTTGATC	TTTGAGCT	GACACCTTT	TCTTAATTT	GAGAAATC	CCCTGCTCT	ATGGAGAG	ACTGACAA	19838
SEQ ID NO 11 (9459)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1956)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(19748)	-----	-----	-----	-----	-----	-----	-----	-----	-----
	19839	19850	19860	19870	19880	19890	19900	19910	Section 219
(19839) 19839	TAACATCT	TGGATCTT	TAAATAGAT	TATCTTAA	ATTTTCC	TGAAAAAT	GTAAACAG	TTCCCTTT	19929
SEQ ID NO 1(19839)	TAACATCT	TGGATCTT	TAAATAGAT	TATCTTAA	ATTTTCC	TGAAAAAT	GTAAACAG	TTCCCTTT	19929
SEQ ID NO 11 (9459)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1956)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(19839)	-----	-----	-----	-----	-----	-----	-----	-----	-----

SEQ NO 11, 13, 15, 16 and 17 against SEQ NO 1

Section 220

	19930	19940	19950	19960	19970	19980	19999
(19930) 19930)	TATATGACTAAAAGAAAC	CTCCCTGGCA	TTTCAACA	TTCTGGTT	AGAA	TTTTCTTTAGCCCCAATCTAC	
SEQ ID NO 1(19930)	TATATGACTAAAAGAAAC	CTCCCTGGCA	TTTCAACA	TTCTGGTT	AGAA	TTTTCTTTAGCCCCAATCTAC	
SEQ ID NO 11 (9459)	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1956)	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----
Consensus(19930)	-----	-----	-----	-----	-----	-----	-----

# **EXHIBIT B**



align SEQID#2 against SEQID#11.apr

Section 1										
(1)	1	10	20	30	40	50	60	70	80	91
SEQ ID NO 11	(1)	ATTGAA	TTGGTGAAC	TTAGTAAAGCAGACGGCTCTCACC	AAATAAGGCAGGCA	TCA	TCCAA	ATCTGT	CGAAAGCTTGA	ATAAAACAAAAAG
SEQ ID NO 2	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13	(1)	ATTGAA	TTGGTGAAC	TTAGTAAAGCAGACGGCTCTCACC	AAATAAGGCAGGCA	TCA	TCCAA	ATCTGT	CGAAAGCTTGA	ATAAAACAAAAAG
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Section 2										
(92)	92	100	110	120	130	140	150	160	170	182
SEQ ID NO 11	(92)	AGGAAGGG	AAAAATTTGCTTCTTTTCTTCTTGA	TCTAGTATATCATCTTCTCTG	CCCTTGGATGTGAGTGGGCCTTCAGACTTAA	ACCAGG				
SEQ ID NO 2	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13	(92)	AGGAAGGG	AAAAATTTGCTTCTTTTCTTCTTGA	TCTAGTATATCATCTTCTCTG	CCCTTGGATGTGAGTGGGCCTTCAGACTTAA	ACCAGG				
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus	(92)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Section 3										
(183)	183	190	200	210	220	230	240	250	260	273
SEQ ID NO 11	(183)	AGTTACAC	CTTTGGCTTCCCTGGTTCTCAGTTCTTTGGACTTGGACTGAATTACACTGCCAGGTTTCC	TGGTTCTCCAGATGGC						
SEQ ID NO 2	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13	(183)	AGTTACAC	CTTTGGCTTCCCTGGTTCTCAGTTCTTTGGACTTGGACTGAATTACACTGCCAGGTTTCC	TGGTTCTCCAGATGGC						
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus	(183)	-----	-----	-----	-----	-----	-----	-----	-----	-----

align SEQID#2 against SEQID#11.apr

Section 4																
	(274)	274	280	290	300	310	320	330	340	350	364					
SEQ ID NO 11	(274)	AGATCATGGGACTTCTTGGCCCTCCATAATTGTTGTGAGTCAATTTCCATTTTATTACATATCCAGTTATGCATTGCTTAACAATGGAGACA														
SEQ ID NO 2	(1)	---	---	---	---	---	---	---	---	---	---					
SEQ ID NO 13	(274)	AGATCAITGGGACTTCTTGGCCCTCCATAATTGT														
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---	---					
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---	---					
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---	---					
Consensus (274)		---	---	---	---	---	---	---	---	---	---					
Section 5																
	(365)	365	370	380	390	400	410	420	430	440	455					
SEQ ID NO 11	(365)	GGTTCTGAGAAAATGCATTTGTTAAGTGATTTTCATCATTTGTGCAAAACATCATAGAGTGTAACTACACAAACCTGGACAGCATAGACTACTACA														
SEQ ID NO 2	(1)	---	---	---	---	---	---	---	---	---	---					
SEQ ID NO 13	(306)	---	---	---	---	---	---	---	---	---	---					
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---	---					
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---	---					
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---	---					
Consensus (365)		---	---	---	---	---	---	---	---	---	---					
Section 6																
	(456)	456	470	480	490	500	510	520	530	546						
SEQ ID NO 11	(456)	CATCTAGGCTACATGGTGTAGCTTGTAACCTCATGATAAGTATGTATAACATCATGATAAGTATGTATCTACCAATATCTAAATGTAG														
SEQ ID NO 2	(1)	---	---	---	---	---	---	---	---	---						
SEQ ID NO 13	(306)	---	---	---	---	---	---	---	---	---						
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---						
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---						
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---						
Consensus (456)		---	---	---	---	---	---	---	---	---						

align SEQID#2 against SEQID#11.apr

																	Section 7
(547)	547	560	570	580	590	600	610	620									637
SEQ ID NO 11	(547)	AAAAGGTACAGTAAAAATATGGTATAATCTTTATGGGATCACCATCATATATGCAATCCTTTGTAGACTGAAATGTCATTTGGTAGTGCAATG	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 2	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 13	(306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Consensus	(547)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
																	Section 8
(638)	638	650	660	670	680	690	700	710									728
SEQ ID NO 11	(638)	ACTGTATACGCACACATACACAAACACACACAAATATACTATTGGTTCCTTTTCTCTGAAGAGCCCTAATAACAATATGTTATACATTATA	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 2	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 13	(306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Consensus	(638)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
																	Section 9
(729)	729	740	750	760	770	780	790	800									819
SEQ ID NO 11	(729)	TTGACTCTATTTCAAAATTTATGGTTTGGTGAACACATATGTGGAGATGGGGCATAGGTGTGTGAACCTGGGATAGTGTCTCTGCTGATGAAT	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 2	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 13	(306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Consensus	(729)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	

align SEQID#2 against SEQID#11.apr

Section 10																
(820)	820	830	840	850	860	870	880	890	900	910						
SEQ ID NO 11 (820)	GGG	GGG	GAG	GCA	TCA	T	T	T	G	G	A	A	A	A	A	C
SEQ ID NO 2 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Consensus (820)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Section 11																
(911)	911	920	930	940	950	960	970	980	990	1001						
SEQ ID NO 11 (911)	AGAC	CTCT	CAGAA	AGTT	GAGAA	AACT	GTG	CTAAA	AGTT	TCT	T	T	T	A	T	A
SEQ ID NO 2 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Consensus (911)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Section 12																
(1002)	1002	1010	1020	1030	1040	1050	1060	1070	1080	1092						
SEQ ID NO 11(1002)	CTT	CGA	ACACT	AA	CC	TTC	ATT	CT	TAC	CA	GG	CC	AG	TG	CA	G
SEQ ID NO 2 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Consensus(1002)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

align SEQID#2 against SEQID#11.apr

	(1093)	1093	1100	1110	1120	1130	1140	1150	1160	1170	Section 13
SEQ ID NO 11(1093)											1183
SEQ ID NO 2 (1)											
SEQ ID NO 13 (306)											
SEQ ID NO 15 (1)											
SEQ ID NO 16 (1)											
SEQ ID NO 17 (1)											
Consensus(1093)											
	(1184)	1184	1190	1200	1210	1220	1230	1240	1250	1260	Section 14
SEQ ID NO 11(1184)											1274
SEQ ID NO 2 (1)											
SEQ ID NO 13 (306)											
SEQ ID NO 15 (1)											
SEQ ID NO 16 (1)											
SEQ ID NO 17 (1)											
Consensus(1184)											
	(1275)	1275	1280	1290	1300	1310	1320	1330	1340	1350	Section 15
SEQ ID NO 11(1275)											1365
SEQ ID NO 2 (1)											
SEQ ID NO 13 (306)											
SEQ ID NO 15 (1)											
SEQ ID NO 16 (1)											
SEQ ID NO 17 (1)											
Consensus(1275)											

align SEQID#2 against SEQID#11.apr

	1366	1380	1390	1400	1410	1420	1430	1440	Section 16
SEQ ID NO 11(1366)	CTGAC	CTCTTAAGGACTCAGGTAAATACTTAGGGTATTTCA	TGGCCCTAGTCTTTGGGGTACCA	CAIGTTTCTTCTTCAAA	ATCACAGATTCA	1456			
SEQ ID NO 2 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---
Consensus(1366)	---	---	---	---	---	---	---	---	---
	1457	1470	1480	1490	1500	1510	1520	1530	Section 17
SEQ ID NO 11(1457)	AAATCAAGAAATGATAACACACAGTGATTTGTGTAGACAAAAATAAGTGAACCAAAAT	TGCTTGTCTTCTGTCAATTC	TATGGAACCACTGAGAGTTT	1547					
SEQ ID NO 2 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---
Consensus(1457)	---	---	---	---	---	---	---	---	---
	1548	1560	1570	1580	1590	1600	1610	1620	Section 18
SEQ ID NO 11(1548)	TTACTTGTGCTTAAAAATTTTGAATAGTAAACAGAGTGTCAACTTCATGCTGGAAATATTTTGGCTTTT	TAGACACAATTTTAAGTACATG	1638						
SEQ ID NO 2 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---
Consensus(1548)	---	---	---	---	---	---	---	---	---

align SEQID#2 against SEQID#11.apr

	1639	1650	1660	1670	1680	1690	1700	1710	Section 19
SEQ ID NO 11(1639)	AAGTATTTT	TAACAAGACTA	AGTAACATC	ACTGAAATTA	CACGCTTTC	CTTTTAAAA	CTGGTATTT	GTATAAAAA	1729
SEQ ID NO 2 (1)	---	---	---	---	---	---	---	---	1729
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---
Consensus(1639)	---	---	---	---	---	---	---	---	---
	1730	1740	1750	1760	1770	1780	1790	1800	Section 20
SEQ ID NO 11(1730)	AGAAAAGCA	TAAATTAT	TACTGATT	TATTACAGG	ATTATTACT	GAAAAAGAA	ATGTACGGA	ATAGAGGAG	1810
SEQ ID NO 2 (1)	---	---	---	---	---	---	---	---	1810
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---
Consensus(1730)	---	---	---	---	---	---	---	---	---
	1821	1830	1840	1850	1860	1870	1880	1890	Section 21
SEQ ID NO 11(1821)	TCTGGGTGT	TGAAAAAC	CAACCAATA	AGCCTGCT	TCCAGGAAG	TGCCCTAAG	ACAGAGCT	GGCTCAGCT	1911
SEQ ID NO 2 (1)	---	---	---	---	---	---	---	---	1911
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---
Consensus(1821)	---	---	---	---	---	---	---	---	---

align SEQID#2 against SEQID#11.apr

	1912	1920	1930	1940	1950	1960	1970	1980	1990	Section 22
(1912) 1912	1912	1920	1930	1940	1950	1960	1970	1980	1990	2002
SEQ ID NO 11(1912)	IGCTGGGCTACATGCCACCA	TCCTAAGTCCCTTTA	GTGAATTAACCTTT	GTCAAAATTTAT	TTTTCATAAA	TAAACCCCAATG	GGGAAATATCT	TTAAATTA	GATAAGCTGACA	
SEQ ID NO 2 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	
Consensus(1912)	---	---	---	---	---	---	---	---	---	
(2003) 2003	2003	2010	2020	2030	2040	2050	2060	2070	2080	Section 23
SEQ ID NO 11(2003)	CCATTCAAAGCACATA	GTCTAAGTCCCTTTA	GTGAATTAACCTTT	GTCAAAATTTAT	TTTTCATAAA	TAAACCCCAATG	GGGAAATATCT	TTAAATTA	GATAAGCTGACA	2093
SEQ ID NO 2 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	
Consensus(2003)	---	---	---	---	---	---	---	---	---	
(2094) 2094	2094	2100	2110	2120	2130	2140	2150	2160	2170	Section 24
SEQ ID NO 11(2094)	TCCTACCTTAAAGAGGAGAA	ACTGAGCTCCTAAAG	TTTAAATATCTA	ACCCCAAGTTAAG	ACTGCTAGTCA	CCCTAGGCTAT	TAACTCAGGC			2184
SEQ ID NO 2 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	
Consensus(2094)	---	---	---	---	---	---	---	---	---	



align SEQID#2 against SEQID#11.apr

														Section 25
(2185)	2185	2190	2200	2210	2220	2230	2240	2250	2260	2275				
SEQ ID NO 11(2185)	AGTC	TAAC	TACAGG	ATAA	TAAACA	TTATG	CTACT	TTTG	ACTATG	CCCTG	AAATTA	TAAAC	GTCATG	CTAATCTAACTAAAAAGCTAA
SEQ ID NO 2 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Consensus(2185)														
														Section 26
(2276)	2276	2290	2300	2310	2320	2330	2340	2350	2366					
SEQ ID NO 11(2276)	GGG	AAATA	AAATG	AGCC	ATAGG	CTCA	ATTT	TCAT	AAAGG	AGAG	AAAA	TACT	GGG	AAAAAGTGATAATGCAGAGTTTAAAAATATTTTGT
SEQ ID NO 2 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Consensus(2276)														
														Section 27
(2367)	2367	2380	2390	2400	2410	2420	2430	2440	2457					
SEQ ID NO 11(2367)	AAAG	TGCC	CAGAG	ATTG	AGTATA	ACAAG	TGTG	ACC	AAAA	AAAA	AAAA	AAAA	AAAA	AGAGGGAGGCTCTGAGA
SEQ ID NO 2 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Consensus(2367)														

align SEQID#2 against SEQID#11.apr

													Section 28
(2458)	2458	2470	2480	2490	2500	2510	2520	2530					2548
SEQ ID NO 11(2458)	AA TAGAAATATCAGAGGAAGGAAAATAAAGGAGGGTGAGAGTAAATTCCTTTTAGCATTCAGATTCACAGATTCACAGATTCACATTTCT												2548
SEQ ID NO 2 (1)	-----ATCAGAGGAAGGAAAATAAAGGAGGGTGAGAGTAAATTCCTTTTAGCATTCAGATTCACAGATTCACAGATTCACATTTCT												2548
SEQ ID NO 13 (306)	-----												2548
SEQ ID NO 15 (1)	-----												2548
SEQ ID NO 16 (1)	-----												2548
SEQ ID NO 17 (1)	-----												2548
Consensus(2458)	-----												2548
													Section 29
(2549)	2549	2560	2570	2580	2590	2600	2610	2620					2639
SEQ ID NO 11(2549)	TTTTTACCAACTAAAGGAAAAATAACACTTGACCTAACATTCATTGCAGTTAGCTAAAGGATGCTAGAAAAAACTATGTTGCAGTGGTTTG												2639
SEQ ID NO 2 (83)	TTTTTACCAACTAAAGGAAAAATAACACTTGACCTAACATTCATTGCAGTTAGCTAAAGGATGCTAGAAAAAACTATGTTGCAGTGGTTTG												2639
SEQ ID NO 13 (306)	-----												2639
SEQ ID NO 15 (1)	-----												2639
SEQ ID NO 16 (1)	-----												2639
SEQ ID NO 17 (1)	-----												2639
Consensus(2549)	-----												2639
													Section 30
(2640)	2640	2650	2660	2670	2680	2690	2700	2710	2720				2730
SEQ ID NO 11(2640)	CTCTAATTTCTTCAGGAATAGAGAAAAGTGACAAAAAGATCAGAGAGAGAGAAAGAAAGGAACTATCAGAAAAATACAGAAATTCAGAGTAGGA												2730
SEQ ID NO 2 (174)	CTCTAATTTCTTCAGGAATAGAGAAAAGTGACAAAAAGATCAGAGAGAGAGAGAAAGGAACTATCAGAAAAATACAGAAATTCAGAGTAGGA												2730
SEQ ID NO 13 (306)	-----												2730
SEQ ID NO 15 (1)	-----												2730
SEQ ID NO 16 (1)	-----												2730
SEQ ID NO 17 (1)	-----												2730
Consensus(2640)	-----												2730

align SEQID#2 against SEQID#11.apr

Section 31										
(2731)	2731	2740	2750	2760	2770	2780	2790	2800	2810	2821
SEQ ID NO 11(2731)	TATAACATATTTGGGTTGAAGGTA	AAATTTTATAATTGTAATCTTAA	GTATCTTAAAGTATCTTGGTAC	TTTGGTCCCTGGAACAGCAGCAT	CAGAA					
SEQ ID NO 2 (265)	TATAACATATTTGGGTTGAAGGTA	AAATTTTATAATTGTAATCTTAA	GTATCTTAAAGTATCTTGGTAC	TTTGGTCCCTGGAACAGCAGCAT	CAGAA					
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---
Consensus(2731)										
Section 32										
(2822)	2822	2830	2840	2850	2860	2870	2880	2890	2900	2912
SEQ ID NO 11(2822)	TCTGCCGAGGGCTTGTAA	AAAGGCAGAACTCTCAGGTCC	CAATCCAGACTCACTGAATC	AGAATAAAATACTGACAA	GATGCCCCGGGAT					
SEQ ID NO 2 (356)	TCTGCCGAGGGCTTGTAA	AAAGGCAGAACTCTCAGGTCC	CAATCCAGACTCACTGAATC	AGAATAAAATACTGACAA	GATGCCCCGGGAT					
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---
Consensus(2822)										
Section 33										
(2913)	2913	2920	2930	2940	2950	2960	2970	2980	2990	3003
SEQ ID NO 11(2913)	TCATATGCACAGTAGAGCTGG	CGAAGTTCCATTGTAGCCTGT	GATTGTTTTCTGCAACTTAG	TATTTCTGAGTTTCCCAAGGA	AAAAAC					
SEQ ID NO 2 (447)	TCATATGCACAGTAGAGCTGG	CGAAGTTCCATTGTAGCCTGT	GATTGTTTTCTGCAACTTAG	TATTTCTGAGTTTCCCAAGGA	AAAAAC					
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---
Consensus(2913)										

align SEQID#2 against SEQID#11.apr

	3004	3010	3020	3030	3040	3050	3060	3070	3080	Section 34
(3004) 3004	3004	3010	3020	3030	3040	3050	3060	3070	3080	
SEQ ID NO 11(3004)	CCAGGCCCTTAGCTTCTGGCAGACATTG	GTGTTTCCTTTACTTA	CTAGCTGCA	TGACTGAC	TCA	TGAGCAAGGAAATCAAACTTTATGTG	CCCTGAG			3094
SEQ ID NO 2 (538)	CCAGGCCCTTAGCTTCTGGCAGACATTG	GTGTTTCCTTTACTTA	CTAGCTGCA	TGACTGAC	TCA	TGAGCAAGGAAATCAAACTTTATGTG	CCCTGAG			
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	
Consensus(3004)	---	---	---	---	---	---	---	---	---	
(3095) 3095	3100	3110	3120	3130	3140	3150	3160	3170	3185	Section 35
SEQ ID NO 11(3095)	TTTCCTCATCTATAAAATGGAGACTATA	ATAAATCATCTCCTAGGCTTG	TTTGAGGA	GTGTTCAACA	AAATGCCCTTTCA	TTCCTCCTATTTA				
SEQ ID NO 2 (629)	TTTCCTCATCTATAAAATGGAGACTATA	ATAAATCATCTCCTAGGCTTG	TTTGAGGA	GTGTTCAACA	AAATGCCCTTTCA	TTCCTCCTATTTA				
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	
Consensus(3095)	---	---	---	---	---	---	---	---	---	
(3186) 3186	3200	3210	3220	3230	3240	3250	3260	3276		Section 36
SEQ ID NO 11(3186)	CAGACCTGGCGCAGACAAATTCGCTAGC	AGCCCTTTGGGCTATTATCTGTGTTT	CTAAACCTTAGTAA	TTGAGTGTGATCT	TGGAGACTAACTCT					
SEQ ID NO 2 (720)	CAGACCTGGCGCAGACAAATTCGCTAGC	AGCCCTTTGGGCTATTATCTGTGTTT	CTAAACCTTAGTAA	TTGAGTGTGATCT	TGGAGACTAACTCT					
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (36)	CAGACCTGGCGCAGACAAATTCGCTAGC	AGCCCTTTGGGCTATTATCTGTGTTT	CTAAACCTTAGTAA	TTGAGTGTGATCT	TGGAGACTAACTCT					
Consensus(3186)	CAGACCTGGCGCAGACAAATTCGCTAGC	AGCCCTTTGGGCTATTATCTGTGTTT	CTAAACCTTAGTAA	TTGAGTGTGATCT	TGGAGACTAACTCT					

align SEQID#2 against SEQID#11.apr

	3277	3290	3300	3310	3320	3330	3340	3350	Section 37
(3277) 3277	GAATAAATAAGCTGATTATTTATTTTCTC	CAAAACAACAGATACGATTTAGC	AAATTTACCTTTTACGATAATTTTACATTTCTA						3367
SEQ ID NO 11(3277)	GAATAAATAAGCTGATTATTTATTTTCTC	CAAAACAACAGATACGATTTAGC	AAATTTACCTTTTACGATAATTTTACATTTCTA						
SEQ ID NO 2 (811)	GAATAAATAAGCTGATTATTTATTTTCTC	CAAAACAACAGATACGATTTAGC	AAATTTACCTTTTACGATAATTTTACATTTCTA						
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15 (1)	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 17 (127)	GAATAAATAAGCTGATTATTTATTTTCTC	CAAAACAACAGATACGATTTAGC	AAATTTACCTTTTACGATAATTTTACATTTCTA						
Consensus(3277)	GAATAAATAAGCTGATTATTTATTTTCTC	CAAAACAACAGATACGATTTAGC	AAATTTACCTTTTACGATAATTTTACATTTCTA						Section 38
(3368) 3368		3380	3390	3400	3410	3420	3430	3440	
SEQ ID NO 11(3368)	TATTCCTCGTACCCCTGAGTTGATG	GTGAGCAATAAIGTCACTTTTCATA	AAAGCCAGGTAATACATTAIGGAC	AGGTAAGTAAACAAATATTA					3458
SEQ ID NO 2 (902)	TATTCCTCGTACCCCTGAGTTGATG	GTGAGCAATAAIGTCACTTTTCATA	AAAGCCAGGTAATACATTAIGGAC	AGGTAAGTAAACAAATATTA					
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15 (1)	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 17 (218)	TATTCCTCGTACCCCTGAGTTGATG	GTGAGCAATAAIGTCACTTTTCATA	AAAGCCAGGTAATACATTAIGGAC	AGGTAAGTAAACAAATATTA					
Consensus(3368)	TATTCCTCGTACCCCTGAGTTGATG	GTGAGCAATAAIGTCACTTTTCATA	AAAGCCAGGTAATACATTAIGGAC	AGGTAAGTAAACAAATATTA					Section 39
(3459) 3459		3470	3480	3490	3500	3510	3520	3530	
SEQ ID NO 11(3459)	TTATTCCTACGTTTTTGTGCCAAAAA	TTTTTAAATTTTCAACTGTTCGCG	GTGTTGGTAAATGTAAAACTCAGT	ACAGTACAGTAGTATTCAGTA					3549
SEQ ID NO 2 (993)	TTATTCCTACGTTTTTGTGCCAAAAA	TTTTTAAATTTTCAACTGTTCGCG	GTGTTGGTAAATGTAAAACTCAGT	ACAGTACAGTAGTATTCAGTA					
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15 (1)	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 17 (309)	TTATTCCTACGTTTTTGTGCCAAAAA	TTTTTAAATTTTCAACTGTTCGCG	GTGTTGGTAAATGTAAAACTCAGT	ACAGTACAGTAGTATTCAGTA					
Consensus(3459)	TTATTCCTACGTTTTTGTGCCAAAAA	TTTTTAAATTTTCAACTGTTCGCG	GTGTTGGTAAATGTAAAACTCAGT	ACAGTACAGTAGTATTCAGTA					

align SEQID#2 against SEQID#11.apr

	3550	3560	3570	3580	3590	3600	3610	3620	3630	Section 40
(3550) 3550										
SEQ ID NO 11(3550)	CAGTATTTAAGCCCCCTG	TAACCAATCCCTCGTAC	CAATGAAAGTACATGAAA	AGCAAAATTTGTGTGAG	ATATCGTAGATGGAAGT	A				3640
SEQ ID NO 2(1084)	CAGTATTTAAGCCCCCTG	TAACCAATCCCTCGTAC	CAATGAAAGTACATGAAA	AGCAAAATTTGTGTGAG	ATATCGTAGATGGAAGT	A				
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	
Consensus(3550)	---	---	---	---	---	---	---	---	---	
	3641	3650	3660	3670	3680	3690	3700	3710	3720	Section 41
(3641) 3641										
SEQ ID NO 11(3641)	AATTAGTCTTTTATGTT	CCCCACAAAATTGAAA	TGCATTTCAAAAAACT	CTGTGTGTAATGTGTG	TGTGACACAGAGTGT	GTGTGAGAGAGAG				3731
SEQ ID NO 2(1175)	AATTAGTCTTTTATGTT	CCCCACAAAATTGAAA	TGCATTTCAAAAAACT	CTGTGTGTAATGTGTG	TGTGACACAGAGTGT	GTGTGAGAGAGAG				
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	
Consensus(3641)	---	---	---	---	---	---	---	---	---	
	3732	3740	3750	3760	3770	3780	3790	3800	3810	Section 42
(3732) 3732										
SEQ ID NO 11(3732)	ACAGAGAGATACGCTTT	TGGTTGCCCTCCATA	AGCTGGCTGCTATGAT	TAAATAAGACCAAGT	TTTCTAAAGAAAATG	GAGATCATAACAAAAG	C			3822
SEQ ID NO 2(1266)	ACAGAGAGATACGCTTT	TGGTTGCCCTCCATA	AGCTGGCTGCTATGAT	TAAATAAGACCAAGT	TTTCTAAAGAAAATG	GAGATCATAACAAAAG	C			
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	
Consensus(3732)	---	---	---	---	---	---	---	---	---	

align SEQID#2 against SEQID#11.apr

	3823	3830	3840	3850	3860	3870	3880	3890	3900	Section 43
(3823) 3823	CC	CT	TT	AT	GA	CT	AT	CT	TT	3913
SEQ ID NO 11(3823)	CC	CT	TT	AT	GA	CT	AT	CT	TT	3913
SEQ ID NO 2(1357)	CC	CT	TT	AT	GA	CT	AT	CT	TT	3913
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(3823)	---	---	---	---	---	---	---	---	---	---
				GGG	CAAA	AAAG	GA	GA	CA	Section 44
(3914) 3914	3920	3930	3940	3950	3960	3970	3980	3990	4004	
SEQ ID NO 11(3914)	TG	AT	TG	CT	TT	CA	AG	TA	AT	4004
SEQ ID NO 2(1448)	TG	AT	TG	CT	TT	CA	AG	TA	AT	4004
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (67)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(3914)	---	---	---	---	---	---	---	---	---	---
				TT	CT	TT	GG	TA	AT	Section 45
(4005) 4005	4010	4020	4030	4040	4050	4060	4070	4080	4095	
SEQ ID NO 11(4005)	AA	AG	TG	GA	TT	AT	CT	CG	CA	4095
SEQ ID NO 2(1539)	AA	AG	TG	GA	TT	AT	CT	CG	CA	4095
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (158)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(4005)	---	---	---	---	---	---	---	---	---	---
				TA	TA	CT	CG	CA	AA	Section 46

align SEQID#2 against SEQID#11.apr

	4096	4110	4120	4130	4140	4150	4160	4170	Section 46
(4096) 4096									
SEQ ID NO 11(4096)	TCCTTTT	TTTAAAGTTAATGACCTACGATCCATTTCTTCCCTGACCTAACAGCCAGCACTTAAAAATATCCAGCCAGGATGAA							4186
SEQ ID NO 2(1630)	TCCTTTT	TTTAAAGTTAATGACCTACGATCCATTTCTTCCCTGACCTAACAGCCAGCACTTAAAAATATCCAGCCAGGATGAA							
SEQ ID NO 13 (306)	TCCTTTT	TTTAAAGTTAATGACCTACGATCCATTTCTTCCCTGACCTAACAGCCAGCACTTAAAAATATCCAGCCAGGATGAA							
SEQ ID NO 15 (249)	TCCTTTT	TTTAAAGTTAATGACCTACGATCCATTTCTTCCCTGACCTAACAGCCAGCACTTAAAAATATCCAGCCAGGATGAA							
SEQ ID NO 16 (1)	TCCTTTT	TTTAAAGTTAATGACCTACGATCCATTTCTTCCCTGACCTAACAGCCAGCACTTAAAAATATCCAGCCAGGATGAA							
SEQ ID NO 17 (367)	TCCTTTT	TTTAAAGTTAATGACCTACGATCCATTTCTTCCCTGACCTAACAGCCAGCACTTAAAAATATCCAGCCAGGATGAA							
Consensus(4096)	TCCTTTT	TTTAAAGTTAATGACCTACGATCCATTTCTTCCCTGACCTAACAGCCAGCACTTAAAAATATCCAGCCAGGATGAA							Section 47
(4187) 4187									
SEQ ID NO 11(4187)	ATAGAAACCCACCTGACTTGTAAATATTTTGTGTTGGTCCAGGGACTCAGATTCCTAAGCCAAATTCCTTGAATGATCTTGGCAAAATGTCT								4277
SEQ ID NO 2(1721)	ATAGAAACCCACCTGACTTGTAAATATTTTGTGTTGGTCCAGGGACTCAGATTCCTAAGCCAAATTCCTTGAATGATCTTGGCAAAATGTCT								
SEQ ID NO 13 (306)	ATAGAAACCCACCTGACTTGTAAATATTTTGTGTTGGTCCAGGGACTCAGATTCCTAAGCCAAATTCCTTGAATGATCTTGGCAAAATGTCT								
SEQ ID NO 15 (340)	ATAGAAACCCACCTGACTTGTAAATATTTTGTGTTGGTCCAGGGACTCAGATTCCTAAGCCAAATTCCTTGAATGATCTTGGCAAAATGTCT								
SEQ ID NO 16 (1)	ATAGAAACCCACCTGACTTGTAAATATTTTGTGTTGGTCCAGGGACTCAGATTCCTAAGCCAAATTCCTTGAATGATCTTGGCAAAATGTCT								
SEQ ID NO 17 (367)	ATAGAAACCCACCTGACTTGTAAATATTTTGTGTTGGTCCAGGGACTCAGATTCCTAAGCCAAATTCCTTGAATGATCTTGGCAAAATGTCT								
Consensus(4187)	ATAGAAACCCACCTGACTTGTAAATATTTTGTGTTGGTCCAGGGACTCAGATTCCTAAGCCAAATTCCTTGAATGATCTTGGCAAAATGTCT								Section 48
(4278) 4278									
SEQ ID NO 11(4278)	CGAATTATTTTGGCCAACTTTTCTTTATCTTTGGAAAAAAAAGTTTTCATGAAATGGGTGTCAAAATTTGATTTTAAAAACCTTTTCTTGCAG								4368
SEQ ID NO 2(1812)	CGAATTATTTTGGCCAACTTTTCTTTATCTTTGGAAAAAAAAGTTTTCATGAAATGGGTGTCAAAATTTGATTTTAAAAACCTTTTCTTGCAG								
SEQ ID NO 13 (306)	CGAATTATTTTGGCCAACTTTTCTTTATCTTTGGAAAAAAAAGTTTTCATGAAATGGGTGTCAAAATTTGATTTTAAAAACCTTTTCTTGCAG								
SEQ ID NO 15 (431)	CGAATTATTTTGGCCAACTTTTCTTTATCTTTGGAAAAAAAAGTTTTCATGAAATGGGTGTCAAAATTTGATTTTAAAAACCTTTTCTTGCAG								
SEQ ID NO 16 (1)	CGAATTATTTTGGCCAACTTTTCTTTATCTTTGGAAAAAAAAGTTTTCATGAAATGGGTGTCAAAATTTGATTTTAAAAACCTTTTCTTGCAG								
SEQ ID NO 17 (367)	CGAATTATTTTGGCCAACTTTTCTTTATCTTTGGAAAAAAAAGTTTTCATGAAATGGGTGTCAAAATTTGATTTTAAAAACCTTTTCTTGCAG								
Consensus(4278)	CGAATTATTTTGGCCAACTTTTCTTTATCTTTGGAAAAAAAAGTTTTCATGAAATGGGTGTCAAAATTTGATTTTAAAAACCTTTTCTTGCAG								



align SEQID#2 against SEQID#11.apr

													Section 49
(4369)	4369	4380	4390	4400	4410	4420	4430	4440					4459
SEQ ID NO 11(4369)	ATACGGTA	ATGGCACCCCT	TAAACCTGTA	TTAGAAAAA	AAAGTAAAG	TACCTGTAG	TGIGAAAAA	ATCTTAAAG	GACACCCCT	CTTTT	TACAAAC	TCA	
SEQ ID NO 2(1903)	ATACGGTA	ATGGCACCCCT	TAAACCTGTA	TTAGAAAAA	AAAGTAAAG	TACCTGTAG	TGIGAAAAA	ATCTTAAAG	GACACCCCT	CTTTT	TACAAAC	TCA	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (522)	ATACGGTA	ATGGCACCCCT	TAAACCTGTA	TTAGAAAAA	AAAGTAAAG	TACCTGTAG	TGIGAAAAA	ATCTTAAAG	GACACCCCT	CTTTT	TACAAAC	TCA	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---	---	---	
Consensus(4369)	ATACGTAT	GGCACCCCT	TAAACTGT	ATTAGAAAAA	AA								Section 50
(4460)	4460	4470	4480	4490	4500	4510	4520	4530	4540	4550			
SEQ ID NO 11(4460)	CAAAAAC	AGCCCTTT	TGGAATAC	CCCAATGA	AGTAGCTG	TGTTTCTA	TATACCTA	CACTCTTG	TCTATTAT	ATAAAAG	ACTGGTTT		
SEQ ID NO 2(1939)	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---	---	---	
Consensus(4460)	---	---	---	---	---	---	---	---	---	---	---	---	
(4551)	4551	4560	4570	4580	4590	4600	4610	4620	4630	4641			
SEQ ID NO 11(4551)	TGGCAGG	TGTGGT	GGCTCAC	ACCTGTAA	TTCCAGC	ACTTTGGG	AGGCCCA	AGCGGGG	CGGATCAC	CTGAGATC	AGGAGTTC	AGGACCGCCT	
SEQ ID NO 2(1939)	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---	---	---	
Consensus(4551)	---	---	---	---	---	---	---	---	---	---	---	---	

align SEQID#2 against SEQID#11.apr

	Section 52										
	(4642)	4642	4650	4660	4670	4680	4690	4700	4710	4720	4732
SEQ ID NO 11(4642)		GATCA	AATATGG	TGAAACCCAG	TCTTTACT	GAAAAATACAAAAA	TACCCGGGTG	TGGTGACGGGGCCCTG	TAGTCCAGCTACT	CGGGTAGC	
SEQ ID NO 2(1939)											
SEQ ID NO 13 (306)											
SEQ ID NO 15 (558)											
SEQ ID NO 16 (1)											
SEQ ID NO 17 (367)											
Consensus(4642)											
	Section 53										
	(4733)	4733	4740	4750	4760	4770	4780	4790	4800	4810	4823
SEQ ID NO 11(4733)		TGAGG	CAGGAGAA	TCACTTGA	ACTCAGGAG	TGAGAGGTTGC	AGCTGAGATCAT	GCCACTGC	ACTCCAGCTG	GGTGAC	AGCAAGA
SEQ ID NO 2(1939)											
SEQ ID NO 13 (306)											
SEQ ID NO 15 (558)											
SEQ ID NO 16 (1)											
SEQ ID NO 17 (367)											
Consensus(4733)											
	Section 54										
	(4824)	4824	4830	4840	4850	4860	4870	4880	4890	4900	4914
SEQ ID NO 11(4824)		CTCCAT	CTCAAAAA	AAAAAAAG	ACTGGTTTTT	CAACAGCTAT	TCCCACCCCTC	TGCATG	GAAATATT	CACCCAGT	CAATGTTT
SEQ ID NO 2(1939)											
SEQ ID NO 13 (306)											
SEQ ID NO 15 (558)											
SEQ ID NO 16 (1)											
SEQ ID NO 17 (367)											
Consensus(4824)											

align SEQID#2 against SEQID#11.apr

	4915	4920	4930	4940	4950	4960	4970	4980	4990	Section 55
(4915) 4915	CC	TA	GT	TT	GG	TAA	TGG	CC	CT	CT
SEQ ID NO 11(4915)	CC	TA	GT	TT	GG	TAA	TGG	CC	CT	CT
SEQ ID NO 2(1939)	CC	TA	GT	TT	GG	TAA	TGG	CC	CT	CT
SEQ ID NO 13 (306)	CC	TA	GT	TT	GG	TAA	TGG	CC	CT	CT
SEQ ID NO 15 (558)	CC	TA	GT	TT	GG	TAA	TGG	CC	CT	CT
SEQ ID NO 16 (1)	CC	TA	GT	TT	GG	TAA	TGG	CC	CT	CT
SEQ ID NO 17 (367)	CC	TA	GT	TT	GG	TAA	TGG	CC	CT	CT
Consensus(4915)	CC	TA	GT	TT	GG	TAA	TGG	CC	CT	CT
(5006) 5006	CA	TG	CA	AG	AA	AA	GA	CA	TAT	TT
SEQ ID NO 11(5006)	CA	TG	CA	AG	AA	AA	GA	CA	TAT	TT
SEQ ID NO 2(1939)	CA	TG	CA	AG	AA	AA	GA	CA	TAT	TT
SEQ ID NO 13 (306)	CA	TG	CA	AG	AA	AA	GA	CA	TAT	TT
SEQ ID NO 15 (558)	CA	TG	CA	AG	AA	AA	GA	CA	TAT	TT
SEQ ID NO 16 (1)	CA	TG	CA	AG	AA	AA	GA	CA	TAT	TT
SEQ ID NO 17 (367)	CA	TG	CA	AG	AA	AA	GA	CA	TAT	TT
Consensus(5006)	CA	TG	CA	AG	AA	AA	GA	CA	TAT	TT
(5097) 5097	G	A	G	A	A	A	A	G	T	G
SEQ ID NO 11(5097)	G	A	G	A	A	A	A	G	T	G
SEQ ID NO 2(1939)	G	A	G	A	A	A	A	G	T	G
SEQ ID NO 13 (306)	G	A	G	A	A	A	A	G	T	G
SEQ ID NO 15 (558)	G	A	G	A	A	A	A	G	T	G
SEQ ID NO 16 (1)	G	A	G	A	A	A	A	G	T	G
SEQ ID NO 17 (367)	G	A	G	A	A	A	A	G	T	G
Consensus(5097)	G	A	G	A	A	A	A	G	T	G
(5110) 5110	5120	5130	5140	5150	5160	5170	5187			Section 57
SEQ ID NO 11(5097)	G	A	G	A	A	A	G	T	G	5187
SEQ ID NO 2(1939)	G	A	G	A	A	A	G	T	G	5187
SEQ ID NO 13 (306)	G	A	G	A	A	A	G	T	G	5187
SEQ ID NO 15 (558)	G	A	G	A	A	A	G	T	G	5187
SEQ ID NO 16 (1)	G	A	G	A	A	A	G	T	G	5187
SEQ ID NO 17 (367)	G	A	G	A	A	A	G	T	G	5187
Consensus(5097)	G	A	G	A	A	A	G	T	G	5187

align SEQID#2 against SEQID#11.apr

	5188	5200	5210	5220	5230	5240	5250	5260	Section 58
(5188) 5188	T	C	A	T	G	A	A	A	5278
SEQ ID NO 11(5188)	T	C	A	T	G	A	A	A	5278
SEQ ID NO 2(1939)	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---
Consensus(5188)	---	---	---	---	---	---	---	---	---
Section 59									
(5279) 5279	T	T	T	G	A	T	G	G	5369
SEQ ID NO 11(5279)	T	T	T	G	A	T	G	G	5369
SEQ ID NO 2(1939)	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---
Consensus(5279)	---	---	---	---	---	---	---	---	---
Section 60									
(5370) 5370	T	A	C	C	C	A	T	G	5460
SEQ ID NO 11(5370)	T	A	C	C	C	A	T	G	5460
SEQ ID NO 2(1939)	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---
Consensus(5370)	---	---	---	---	---	---	---	---	---

[illegible]

align SEQID#2 against SEQID#11.apr

	5734	5740	5750	5760	5770	5780	5790	5800	5810	Section 64
(5734) 5734	CTTTCAGGAAAAATTTTGAAAAATG	GTGCCAGTAAAGCCTGAT	TGGCCCCCTTATCCCTAAAGGC	TAAAC	TGGAGGAAGGAAG	CTAAAC	TGAG			5824
SEQ ID NO 11(5734)	CTTTCAGGAAAAATTTTGAAAAATG	GTGCCAGTAAAGCCTGAT	TGGCCCCCTTATCCCTAAAGGC	TAAAC	TGGAGGAAGGAAG	CTAAAC	TGAG			
SEQ ID NO 2(1939)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Consensus(5734)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
										Section 65
(5825) 5825	5830	5840	5850	5860	5870	5880	5890	5900	5915	
SEQ ID NO 11(5825)	AAATCTTGCAAAATCAT	TGAGCCAAAAACGTATTA	ATAGCAAGATCTATCAT	TTTAT	TGACTAGTATGTGGCAGGCAG	TGCCCC	TTTTATTAG			
SEQ ID NO 2(1939)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Consensus(5825)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
										Section 66
(5916) 5916	5930	5940	5950	5960	5970	5980	5990	6006		
SEQ ID NO 11(5916)	GCAGGGAGAGTTGAT	GGGGGGGGGGTT	CACACATCTTAAAGAGGTGCT	ATCTCTCCTATATAATCA	TGTAAGTCAAGAGAGTAAGG					
SEQ ID NO 2(1939)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Consensus(5916)	-----	-----	-----	-----	-----	-----	-----	-----	-----	

align SEQID#2 against SEQID#11.apr

Section 67										Section 67	
(6007) 6007	6020	6030	6040	6050	6060	6070	6080	6097	6097		
SEQ ID NO 11(6007)	AAATGCTTTGTTTATATTCAGGGGATTAGAGTATACAGTAGAAGATCCCAAGAAACCTTGGGATCATTTTAGACTAAGAAATGCCA							6097	6097		
SEQ ID NO 2(1939)											
SEQ ID NO 13 (306)											
SEQ ID NO 15 (558)											
SEQ ID NO 16 (1)											
SEQ ID NO 17 (367)											
Consensus(6007)											
Section 68											
(6098) 6098	6110	6120	6130	6140	6150	6160	6170	6188	6188		
SEQ ID NO 11(6098)	ATACCGCGGGCGGGTGGCTCAGCGCTGTAAATCCAGCACTTTGAGAGGCCGAGGTGGGGGATCACAAAGTCAGGAGATTGAGACCGTC							6188	6188		
SEQ ID NO 2(1939)											
SEQ ID NO 13 (306)											
SEQ ID NO 15 (558)											
SEQ ID NO 16 (1)											
SEQ ID NO 17 (367)											
Consensus(6098)											
Section 69											
(6189) 6189	6200	6210	6220	6230	6240	6250	6260	6279	6279		
SEQ ID NO 11(6189)	CTGGCTAACGTGGTGAAACCCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCGGTGGTGGCGGCCCTGTAGTCCCAGCTACTCGGGA							6279	6279		
SEQ ID NO 2(1939)											
SEQ ID NO 13 (306)											
SEQ ID NO 15 (558)											
SEQ ID NO 16 (1)											
SEQ ID NO 17 (367)											
Consensus(6189)											

align SEQID#2 against SEQID#11.apr

	6280	6290	6300	6310	6320	6330	6340	6350	6360	Section 70
(6280) 6280	GGCGGAGGCAGGAGAA	GGGIGTGAACTCAGGAGGCGGAGCTTGCAGTCAGCCGAGATTGCCCAATGCAC	TCAGCCCTGGGCGACAGAACG							6370
SEQ ID NO 11(6280)	GGCGGAGGCAGGAGAA	GGGIGTGAACTCAGGAGGCGGAGCTTGCAGTCAGCCGAGATTGCCCAATGCAC	TCAGCCCTGGGCGACAGAACG							
SEQ ID NO 2(1939)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	
Consensus(6280)	---	---	---	---	---	---	---	---	---	
	6371	6380	6390	6400	6410	6420	6430	6440	6450	Section 71
(6371) 6371	AGACTCCGTCCTCAGAA	CAAAACAAAAGGAAATGCCAAATACCAGCAGAGAAATAGAGCCAAATCATGAACATAAGCTAAACAAATGTTGGCAGT								6461
SEQ ID NO 11(6371)	AGACTCCGTCCTCAGAA	CAAAACAAAAGGAAATGCCAAATACCAGCAGAGAAATAGAGCCAAATCATGAACATAAGCTAAACAAATGTTGGCAGT								
SEQ ID NO 2(1939)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	
Consensus(6371)	---	---	---	---	---	---	---	---	---	
	6462	6470	6480	6490	6500	6510	6520	6530	6540	Section 72
(6462) 6462	GTAGCCTAGTGGTTAAGAGAGCAGACTCTTA	ACTAGAACACTGCACCTCCATGTCCTCACTGTAGACCCCTCACTGTGGGTTCTAATTAACC								6552
SEQ ID NO 11(6462)	GTAGCCTAGTGGTTAAGAGAGCAGACTCTTA	ACTAGAACACTGCACCTCCATGTCCTCACTGTAGACCCCTCACTGTGGGTTCTAATTAACC								
SEQ ID NO 2(1939)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	
Consensus(6462)	---	---	---	---	---	---	---	---	---	



align SEQID#2 against SEQID#11.apr

	6553	6560	6570	6580	6590	6600	6610	6620	6630	Section 73
(6553) 6553	CC	GT	TA	CT	TA	AG	TT	CG	TT	6643
SEQ ID NO 11(6553)	CC	GT	TA	CT	TA	AG	TT	CG	TT	6643
SEQ ID NO 2(1939)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(6553)	---	---	---	---	---	---	---	---	---	---
	6644	6650	6660	6670	6680	6690	6700	6710	6720	Section 74
(6644) 6644	GT	TA	CT	TA	AG	TT	CG	TT	CG	6734
SEQ ID NO 11(6644)	GT	TA	CT	TA	AG	TT	CG	TT	CG	6734
SEQ ID NO 2(1939)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(6644)	---	---	---	---	---	---	---	---	---	---
	6735	6740	6750	6760	6770	6780	6790	6800	6810	Section 75
(6735) 6735	AC	TT	AA	GA	CT	GA	TT	TA	CT	6825
SEQ ID NO 11(6735)	AC	TT	AA	GA	CT	GA	TT	TA	CT	6825
SEQ ID NO 2(1939)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(6735)	---	---	---	---	---	---	---	---	---	---

align SEQID#2 against SEQID#11.apr

	6826	6840	6850	6860	6870	6880	6890	6900	Section 76
(6826) 6826	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 11(6826)	TGAAGGC	AAAAATG	TCGTTTC	TTTGGTTC	AGCCCTG	IGCCCTA	GAATCA	ATATCTA	AGTCAAG
SEQ ID NO 2(1939)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(6826)	-----	-----	-----	-----	-----	-----	-----	-----	-----
									Section 77
(6917) 6917	-----	6930	6940	6950	6960	6970	6980	6990	7007
SEQ ID NO 11(6917)	TGAACCT	ACCGAGG	TAGTTAC	ATAAAAG	AGTTCTG	CAATGAG	TACAAA	ATCTGGG	CAAAAGT
SEQ ID NO 2(1939)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(6917)	-----	-----	-----	-----	-----	-----	-----	-----	-----
									Section 78
(7008) 7008	7020	7030	7040	7050	7060	7070	7080	7098	
SEQ ID NO 11(7008)	GTGATT	TCCTTA	AGGAAC	TGATA	CAATG	TGCAAT	GTA	AAAAA	ATGTGC
SEQ ID NO 2(1939)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(7008)	-----	-----	-----	-----	-----	-----	-----	-----	-----

[illegible]

align SEQID#2 against SEQID#11.apr

	(7372)	7372	7380	7390	7400	7410	7420	7430	7440	7450	Section 82		
SEQ ID NO 11(7372)		TTCC	TTAA	GCAG	ACCATG	CTCT	TTAG	TAAAG	GGTTAA	ACAG	GAAGTGA	AGCAATTA	CAAGGGTCTCC
SEQ ID NO 2(1940)		---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)		---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)		---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)		---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)		---	---	---	---	---	---	---	---	---	---	---	---
Consensus(7372)		---	---	---	---	---	---	---	---	---	---	---	---
	(7463)	7463	7470	7480	7490	7500	7510	7520	7530	7540	Section 83		
SEQ ID NO 11(7463)		AGTCATCTCCACATGTTCTT	TAATCATTA	TCTTTT	TACAGTTT	CAATCTCCAGGCTTT	TCATTTCCAGGCTTT	TCATTTGGTTCAGGTTGGCA	TTTGGCTT				

align SEQID#2 against SEQID#11.apr

	7645	7650	7660	7670	7680	7690	7700	7710	7720	Section 85
(7645) 7645										
SEQ ID NO 11(7645)	TTCCACATCACCCTGGCTTCATCAAGCCCGAGCATCCATCTCTTGGCTCATCTTACACCCCTGGTGGCATGACAGGCCCGACCATTCATTATATC									7735
SEQ ID NO 2(2080)	TTCCACATCACCCTGGCTTCATCAAGCCCGAGCATCCATCTCTTGGCTCATCTTACACCCCTGGTGGCATGACAGGCCCGACCATTCATTATATC									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 15 (558)	-----									
SEQ ID NO 16 (142)	TTCCACATCACCCTGGCTTCATCAAGCCCGAGCATCCATCTCTTGGCTCATCTTACACCCCTGGTGGCATGACAGGCCCGACCATTCATTATATC									
SEQ ID NO 17 (367)	-----									
Consensus(7645)	TTCCACATCACCCTGGCTTCATCAAGCCCGAGCATCCATCTCTTGGCTCATCTTACACCCCTGGTGGCATGACAGGCCCGACCATTCATTATATC									Section 86
(7736) 7736			7750	7760	7770	7780	7790	7800	7810	7826
SEQ ID NO 11(7736)	AGAGCAAAAGGCTCTCCACATATCTGGTTCACCCCTACCTTAGCCAGATATACAAAGAAATATCTGCAAGGAATGACCTGCCCTCACCTGGGAG									
SEQ ID NO 2(2171)	AGAGCAAAAGGCTCTCCACATATCTGGTTCACCCCTACCTTAGCCAGATATACAAAGAAATATCTGCAAGGAATGACCTGCCCTCACCTGGGAG									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 15 (558)	-----									
SEQ ID NO 16 (233)	AGAGCAAAAGGCTCTCCACATATCTGGTTCACCCCTACCTTAGCCAGATATACAAAGAAATATCTGCAAGGAATGACCTGCCCTCACCTGGGAG									
SEQ ID NO 17 (367)	-----									
Consensus(7736)	AGAGCAAAAGGCTCTCCACATATCTGGTTCACCCCTACCTTAGCCAGATATACAAAGAAATATCTGCAAGGAATGACCTGCCCTCACCTGGGAG									Section 87
(7827) 7827			7840	7850	7860	7870	7880	7890	7900	7917
SEQ ID NO 11(7827)	CTCAGAGGAGCTCAGATTCCATTACTATCGCACCCCAAGGACAGATCTCTCCAGCAAGAAATGACAGAAAGAAAGACTTAACCTGCCCCCAAAATCTCTCC									
SEQ ID NO 2(2262)	CTCAGAGGAGCTCAGATTCCATTACTATCGCACCCCAAGGACAGATCTCTCCAGCAAGAAATGACAGAAAGAAAGACTTAACCTGCCCCCAAAATCTCTCC									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 15 (558)	-----									
SEQ ID NO 16 (324)	CTCAGAGGAGCTCAGATTCCATTACTATCGCACCCCAAGGACAGATCTCTCCAGCAAGAAATGACAGAAAGAAAGACTTAACCTGCCCCCAAAATCTCTCC									
SEQ ID NO 17 (367)	-----									
Consensus(7827)	CTCAGAGGAGCTCAGATTCCATTACTATCGCACCCCAAGGACAGATCTCTCCAGCAAGAAATGACAGAAAGAAAGACTTAACCTGCCCCCAAAATCTCTCC									

align SEQID#2 against SEQID#11.apr

	(7918)	7918	7930	7940	7950	7960	7970	7980	7990	Section 88
SEQ ID NO 11(7918)										8008
SEQ ID NO 2(2353)										
SEQ ID NO 13 (306)										
SEQ ID NO 15 (558)										
SEQ ID NO 16 (415)										
SEQ ID NO 17 (367)										
Consensus(7918)										
										Section 89
	(8009)	8009	8020	8030	8040	8050	8060	8070	8080	8099
SEQ ID NO 11(8009)										
SEQ ID NO 2(2444)										
SEQ ID NO 13 (306)										
SEQ ID NO 15 (558)										
SEQ ID NO 16 (506)										
SEQ ID NO 17 (367)										
Consensus(8009)										
										Section 90
	(8100)	8100	8110	8120	8130	8140	8150	8160	8170	8180
SEQ ID NO 11(8100)										8190
SEQ ID NO 2(2535)										
SEQ ID NO 13 (306)										
SEQ ID NO 15 (558)										
SEQ ID NO 16 (597)										
SEQ ID NO 17 (367)										
Consensus(8100)										

align SEQID#2 against SEQID#11.apr

	(8191)	8191	8200	8210	8220	8230	8240	8250	8260	8270	Section 91
SEQ ID NO 11(8191)		TATATTCAGTCA	TAGTGGGAAA	AATAGGATTA	TATCCCTTTAGCTCG	ATAGCAACCCAGAG	TTCTTCCATTCGACA	TTTAAATCTTGACA	TTTAAATCAAT		8281
SEQ ID NO 2(2626)		TATATTCAGTCA	TAGTGGGAAA	AATAGGATTA	TATCCCTTTAGCTCG	ATAGCAACCCAGAG	TTCTTCCATTCGACA	TTTAAATCTTGACA	TTTAAATCAAT		
SEQ ID NO 13 (306)		-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15 (558)		-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16 (688)		TATATTCAGTCA	TAGTGGGAAA	AATAGGATTA	TATCCCTTTAGCTCG	ATAGCAACCCAGAG	TTCTTCCATTCGACA	TTTAAATCTTGACA	TTTAAATCAAT		
SEQ ID NO 17 (367)		-----	-----	-----	-----	-----	-----	-----	-----	-----	
Consensus(8191)		TATATTCAGTCA	TAGTGGGAAA	AATAGGATTA	TATCCCTTTAGCTCG	ATAGCAACCCAGAG	TTCTTCCATTCGACA	TTTAAATCTTGACA	TTTAAATCAAT		
	(8282)	8282	8290	8300	8310	8320	8330	8340	8350	8360	Section 92
SEQ ID NO 11(8282)		CAGAAAATTC	GAATTTTGG	AAAACCTG	TTTCCATATG	AAAGCTATCT	CTGCCCTGA	AGGATTTTCT	TTTAAATCC	CAGACTAT	8372
SEQ ID NO 2(2717)		CAGAAAATTC	GAATTTTGG	AAAACCTG	TTTCCATATG	AAAGCTATCT	CTGCCCTGA	AGGATTTTCT	TTTAAATCC	CAGACTAT	
SEQ ID NO 13 (306)		-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15 (558)		-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16 (779)		CAGAAAATTC	GAATTTTGG	AAAACCTG	TTTCCATATG	AAAGCTATCT	CTGCCCTGA	AGGATTTTCT	TTTAAATCC	CAGACTAT	
SEQ ID NO 17 (367)		-----	-----	-----	-----	-----	-----	-----	-----	-----	
Consensus(8282)		CAGAAAATTC	GAATTTTGG	AAAACCTG	TTTCCATATG	AAAGCTATCT	CTGCCCTGA	AGGATTTTCT	TTTAAATCC	CAGACTAT	
	(8373)	8373	8380	8390	8400	8410	8420	8430	8440	8450	Section 93
SEQ ID NO 11(8373)		CAACCTGGAC	TTTCACTT	CCATTTG	GTGAGAGT	TTTACTGAC	CAATTTCC	CACTCTG	CCCTTAC	ACCTTA	8463
SEQ ID NO 2(2808)		CAACCTGGAC	TTTCACTT	CCATTTG	GTGAGAGT	TTTACTGAC	CAATTTCC	CACTCTG	CCCTTAC	ACCTTA	
SEQ ID NO 13 (306)		-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15 (558)		-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16 (870)		CAACCTGGAC	TTTCACTT	CCATTTG	GTGAGAGT	TTTACTGAC	CAATTTCC	CACTCTG	CCCTTAC	ACCTTA	
SEQ ID NO 17 (367)		-----	-----	-----	-----	-----	-----	-----	-----	-----	
Consensus(8373)		CAACCTGGAC	TTTCACTT	CCATTTG	GTGAGAGT	TTTACTGAC	CAATTTCC	CACTCTG	CCCTTAC	ACCTTA	

align SEQID#2 against SEQID#11.apr

	8464	8470	8480	8490	8500	8510	8520	8530	8540	Section 94
(8464) 8464										
SEQ ID NO 11(8464)	TTACATACCCCAACAGTTACAAATGGTTGTTATTAATTAAGCAATCTTTTATTTTGGGCTCTGATTAACAAGGTCCCTAAATTTTGACCT									8554
SEQ ID NO 2(2899)	TTACATACCCCAACAGTTACAAATGGTTGTTATTAATTAAGCAATCTTTTATTTTGGGCTCTGATTAACAAGGTCCCTAAATTTTGACCT									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 15 (558)	-----									
SEQ ID NO 16 (961)	TTACATACCCCAACAGTTACAAATGGTTGTTATTAATTAAGCAATCTTTTATTTTGGGCTCTGATTAACAAGGTCCCTAAATTTTGACCT									
SEQ ID NO 17 (367)	-----									
Consensus(8464)	TTACATACCCCAACAGTTACAAATGGTTGTTATTAATTAAGCAATCTTTTATTTTGGGCTCTGATTAACAAGGTCCCTAAATTTTGACCT									Section 95
(8555) 8555		8560	8570	8580	8590	8600	8610	8620	8630	8645
SEQ ID NO 11(8555)	AATCACAAAAGATTGGTAAATTTCTTAACATATTAATAATAATTTTGGTTTAAAGGTCATCTTAAGCAATTAAGACACAGAGGTC									
SEQ ID NO 2(2990)	AATCACAAAAGATTGGTAAATTTCTTAACATATTAATAATAATTTTGGTTTAAAGGTCATCTTAAGCAATTAAGACACAGAGGTC									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 15 (558)	-----									
SEQ ID NO 16(1052)	AATCACAAAAGATTGGTAAATTTCTTAACATATTAATAATAATTTTGGTTTAAAGGTCATCTTAAGCAATTAAGACACAGAGGTC									
SEQ ID NO 17 (367)	-----									
Consensus(8555)	AATCACAAAAGATTGGTAAATTTCTTAACATATTAATAATAATTTTGGTTTAAAGGTCATCTTAAGCAATTAAGACACAGAGGTC									Section 96
(8646) 8646		8660	8670	8680	8690	8700	8710	8720		8736
SEQ ID NO 11(8646)	TTAACGTTCTCTTTTGGAAAGAGAAATATTAGGATTCAGAGATATTAAAGAGATTCTCCAGGATCAGATTAGGTAACAGAGCTGGATTTTA									
SEQ ID NO 2(3081)	TTAACGTTCTCTTTTGGAAAGAGAAATATTAGGATTCAGAGATATTAAAGAGATTCTCCAGGATCAGATTAGGTAACAGAGCTGGATTTTA									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 15 (558)	-----									
SEQ ID NO 16(1143)	TTAACGTTCTCTTTTGGAAAGAGAAATATTAGGATTCAGAGATATTAAAGAGATTCTCCAGGATCAGATTAGGTAACAGAGCTGGATTTTA									
SEQ ID NO 17 (367)	-----									
Consensus(8646)	TTAACGTTCTCTTTTGGAAAGAGAAATATTAGGATTCAGAGATATTAAAGAGATTCTCCAGGATCAGATTAGGTAACAGAGCTGGATTTTA									



align SEQID#2 against SEQID#11.apr

	8737	8750	8760	8770	8780	8790	8800	8810	Section 97
(8737) 8737									
SEQ ID NO 11(8737)	GTCCAGGCTGTCTACAGGCTTAACGGTATATACACCCCTTTGTATATACATGTGCACGAATTCAGCAATAAAGGGAATCTTCAGTGAATCTAAAGTCA								8827
SEQ ID NO 2(3172)	GTCCAGGCTGTCTACAGGCTTAACGGTATATACACCCCTTTGTATATACATGTGCACGAATTCAGCAATAAAGGGAATCTTCAGTGAATCTAAAGTCA								
SEQ ID NO 13 (306)	-----								
SEQ ID NO 15 (558)	-----								
SEQ ID NO 16(1234)	GTCCAGGCTGTCTACAGGCTTAACGGTATATACACCCCTTTGTATATACATGTGCACGAATTCAGCAATAAAGGGAATCTTCAGTGAATCTAAAGTCA								
SEQ ID NO 17 (367)	-----								
Consensus(8737)	GTCCAGGCTGTCTACAGCTCTAACGCTATATACACCCCTTTGTATATACATGTGCACGAATTCAGCATAAAGGGATCTTCAGTGATCTAAAGTCA								Section 98
(8828) 8828		8840	8850	8860	8870	8880	8890	8900	
SEQ ID NO 11(8828)	GGGGTCAGCAACCTTTTCTATAAAAGGACCAAAATAGTAAATTTTCAGGGCTTTGGGACCCCTATGGTCTCTATCATATAACTGTTCAAAATCACCA								8918
SEQ ID NO 2(3263)	GGGGTCAGCAACCTTTTCTATAAAAGGACCAAAATAGTAAATTTTCAGGGCTTTGGGACCCCTATGGTCTCTATCATATAACTGTTCAAAATCACCA								
SEQ ID NO 13 (306)	-----								
SEQ ID NO 15 (558)	-----								
SEQ ID NO 16(1325)	GGGGTCAGCAACCTTTTCTATAAAAGGACCAAAATAGTAAATTTTCAGGGCTTTGGGACCCCTATGGTCTCTATCATATAACTGTTCAAAATCACCA								
SEQ ID NO 17 (367)	-----								
Consensus(8828)	GGGGTCAGCAACCTTTTCTATAAAAGGACCAAAATAGTAAATTTTCAGGGCTTTGGGACCCCTATGGTCTCTATCATATAACTGTTCAAAATCACCA								Section 99
(8919) 8919		8930	8940	8950	8960	8970	8980	8990	
SEQ ID NO 11(8919)	TGTAGTGTATAAAGGAGGCCCATTAAGCAAAATATAAACTAACGAAATGTGGCTGTTTTATATGGGATTTTTTTTAACTCTTTATTTACAAAAGCCAG								9009
SEQ ID NO 2(3354)	TGTAGTGTATAAAGGAGGCCCATTAAGCAAAATATAAACTAACGAAATGTGGCTGTTTTATATGGGATTTTTTTTAACTCTTTATTTACAAAAGCCAG								
SEQ ID NO 13 (306)	-----								
SEQ ID NO 15 (558)	-----								
SEQ ID NO 16(1416)	TGTAGTGTATAAAGGAGGCCCATTAAGCAAAATATAAACTAACGAAATGTGGCTGTTTTATATGGGATTTTTTTTAACTCTTTATTTACAAAAGCCAG								
SEQ ID NO 17 (367)	-----								
Consensus(8919)	TGTAGTGTATAAAGGAGGCCCATTAAGCAAAATATAAACTAACGAAATGTGGCTGTTTTATATGGGATTTTTTTTAACTCTTTATTTACAAAAGCCAG								

align SEQID#2 against SEQID#11.apr

	(9010)	9010	9020	9030	9040	9050	9060	9070	9080	9090	Section 100
SEQ ID NO 11(9010)											9100
SEQ ID NO 2(3445)											9100
SEQ ID NO 13 (306)											
SEQ ID NO 15 (558)											
SEQ ID NO 16(1507)											
SEQ ID NO 17 (367)											
Consensus(9010)											Section 101
	(9101)	9101	9110	9120	9130	9140	9150	9160	9170	9180	9191
SEQ ID NO 11(9101)											9191
SEQ ID NO 2(3536)											9191
SEQ ID NO 13 (306)											
SEQ ID NO 15 (558)											
SEQ ID NO 16(1598)											
SEQ ID NO 17 (367)											
Consensus(9101)											Section 102
	(9192)	9192	9200	9210	9220	9230	9240	9250	9260	9270	9282
SEQ ID NO 11(9192)											9282
SEQ ID NO 2(3627)											9282
SEQ ID NO 13 (306)											
SEQ ID NO 15 (558)											
SEQ ID NO 16(1689)											
SEQ ID NO 17 (367)											
Consensus(9192)											Section 103

align SEQID#2 against SEQID#11.apr

	9283	9290	9300	9310	9320	9330	9340	9350	9360	Section 103
SEQ ID NO 11(9283)	CCTCTGTTGTA	TGGTCCAGGCCAAAGTTACCTAAATC	CTCTCCAGGCCCTCCCATTTTCTTATCATTA	ATGAAGATATAAAAGTATTTTCCCTCA						9373
SEQ ID NO 2(3718)	CCTCTGTTGTA	TGGTCCAGGCCAAAGTTACCTAAATC	CTCTCCAGGCCCTCCCATTTTCTTATCATTA	ATGAAGATATAAAAGTATTTTCCCTCA						
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16(1780)	CCTCTGTTGTA	TGGTCCAGGCCAAAGTTACCTAAATC	CTCTCCAGGCCCTCCCATTTTCTTATCATTA	ATGAAGATATAAAAGTATTTTCCCTCA						
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(9283)	CCTCTGTTGTA	TGGTCCAGGCCAAAGTTACCTAAATC	CTCTCCAGGCCCTCCCATTTTCTTATCATTA	ATGAAGATATAAAAGTATTTTCCCTCA						Section 104
	(9374) 9374	9380	9390	9400	9410	9420	9430	9440	9458	
SEQ ID NO 11(9374)	GAGAGCTGTGTA	GAATAAAGTAAACCTGAGCTAACCCATG	TCAAGCACATAGAAATAGGGCCCGCCCTATATTAATTTA	ATCAATAAAATGCCAG						
SEQ ID NO 2(3809)	GAGAGCTGTGTA	GAATAAAGTAAACCTGAGCTAACCCATG	TCAAGCACATAGAAATAGGGCCCGCCCTATATTAATTTA	ATCAATAAAATGCCAG						
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16(1871)	GAGAGCTGTGTA	GAATAAAGTAAACCTGAGCTAACCCATG	TCAAGCACATAGAAATAGGGCCCGCCCTATATTAATTTA	ATCAATAAAATGCCAG						
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(9374)	GAGAGCTGTGTA	GAATAAAGTAAACCTGAGCTAACCCATG	TCAAGCACATAGAAATAGGGCCCGCCCTATATTAATTTA	ATCAATAAAATGCCAG						

# **EXHIBIT C**

align SEQID#4 against SEQID#11.apr

	1	10	20	30	40	50	60	70	80	Section 1
SEQ ID NO 11	(1)	1								91
SEQ ID NO 4	(1)	ATTGAAATTGGTGAAC	TTAGTAAAGCAGACGGCT	CTCACCAA	TAAGGCAGGCA	TCA	TCCAA	ATCTGCGAAAGCT	TGAATAAAAC	CAAAAAG
SEQ ID NO 13	(1)	ATTGAAATTGGTGAAC	TTAGTAAAGCAGACGGCT	CTCACCAA	TAAGGCAGGCA	TCA	TCCAA	ATCTGCGAAAGCT	TGAATAAAAC	CAAAAAG
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---
Consensus	(1)	---	---	---	---	---	---	---	---	---
Section 2										
SEQ ID NO 11	(92)	92								182
SEQ ID NO 4	(92)	AGGAAGGGA	AAATTTGCTTCTTTTCTTCTTGA	TCTAGTATATCATCTTCTCTCTG	CCCTTGGATG	IGAGTGGG	CCCTTCAGAC	TTAAAC	CCAGG	
SEQ ID NO 13	(92)	AGGAAGGGA	AAATTTGCTTCTTTTCTTCTTGA	TCTAGTATATCATCTTCTCTCTG	CCCTTGGATG	IGAGTGGG	CCCTTCAGAC	TTAAAC	CCAGG	
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---
Consensus	(92)	---	---	---	---	---	---	---	---	---
Section 3										
SEQ ID NO 11	(183)	183								273
SEQ ID NO 4	(183)	AGTTACACCTTTGGCTTCCCTGGTTCTCAGTTCTTTGGACTTGGACTGAATTTACAC	TGGACTGGTTTCCCTGGTTCTCCAGCTTGCAGATGGC							
SEQ ID NO 13	(183)	AGTTACACCTTTGGCTTCCCTGGTTCTCAGTTCTTTGGACTTGGACTGAATTTACAC	TGGACTGGTTTCCCTGGTTCTCCAGCTTGCAGATGGC							
SEQ ID NO 16	(1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15	(1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17	(1)	---	---	---	---	---	---	---	---	---
Consensus	(183)	AGTTACACCTTTGGCTTCCCTGGTTCTCAGTTCTTTGGACTTGGACTGAATTTACAC	TGGACTGGTTTCCCTGGTTCTCCAGCTTGCAGATGGC							

align SEQID#4 against SEQID#11.apr

											Section 4
(274)	274	280	290	300	310	320	330	340	350	364	
SEQ ID NO 11	(274)	AGATCAATGGGACCTTC	TTGGCCCTCCATAA	TTGGTGAGTCAAA	TTCCATTTT	ATTTACATA	TCCAGTTAT	GCTTA	GCAATGGAGACA		
SEQ ID NO 4	(124)	AGATCAATGGGACCTTC	TTGGCCCTCCATAA	TTGGTGAGTCAAA	TTCCATTTT	ATTTACATA	TCCAGTTAT	GCTTA	GCAATGGAGACA		
SEQ ID NO 13	(274)	AGATCAATGGGACCTTC	TTGGCCCTCCATAA	TTGGTGAGTCAAA	TTCCATTTT	ATTTACATA	TCCAGTTAT	GCTTA	GCAATGGAGACA		
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Consensus	(274)	AGATCAATGGGACCTTC	TTGGCCCTCCATAA	TTGT							
											Section 5
(365)	365	370	380	390	400	410	420	430	440	455	
SEQ ID NO 11	(365)	GGTTCGAGAAAATGCA	TTGTTAAAGTGAT	TTTCATCAT	TTGTGCAAA	CAATCATAGAG	TGTAACTACACA	AAACCTGGAC	AGCATAGACTACTACA		
SEQ ID NO 4	(215)	GGTTCGAGAAAATGCA	TTGTTAAAGTGAT	TTTCATCAT	TTGTGCAAA	CAATCATAGAG	TGTAACTACACA	AAACCTGGAC	AGCATAGACTACTACA		
SEQ ID NO 13	(306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Consensus	(365)										
											Section 6
(456)	456	470	480	490	500	510	520	530	546		
SEQ ID NO 11	(456)	CATCTAGGCTACATGG	TGTAGCTTGTAA	CCCTCATGATA	AGTATGTATA	AACATCATGATA	AGTATGTAT	GTATCTACCA	TATCTAAATGTAG		
SEQ ID NO 4	(306)	CATCTAGGCTACATGG	TGTAGCTTGTAA	CCCTCATGATA	AGTATGTATA	AACATCATGATA	AGTATGTAT	GTATCTACCA	TATCTAAATGTAG		
SEQ ID NO 13	(306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Consensus	(456)										

align SEQID#4 against SEQID#11.apr

Section 7										
	(547)	547	560	570	580	590	600	610	620	637
SEQ ID NO 11	(547)	AAAAGGTACAGTAAAAAATA	TGGTATAATCTT	ATGGGATCACC	ATCATATATG	CAATCCTT	TGTAGACTG	AAATGTCAT	TGTGTAGTGCA	TG
SEQ ID NO 4	(397)	AAAAGGTACAGTAAAAAATA	TGGTATAATCTT	ATGGGATCACC	ATCATATATG	CAATCCTT	TGTAGACTG	AAATGTCAT	TGTGTAGTGCA	TG
SEQ ID NO 13	(306)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus	(547)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Section 8										
	(638)	638	650	660	670	680	690	700	710	728
SEQ ID NO 11	(638)	ACTGTATACGCACACATAC	ACAAAACACACACAA	ATATACTATT	TGGTTCTTTT	TCTCTGAAGAG	CCCTAATACA	ATATGTTATAC	ATTATA	TATA
SEQ ID NO 4	(488)	ACTGTATACGCACACATAC	ACAAAACACACACAA	ATATACTATT	TGGTTCTTTT	TCTCTGAAGAG	CCCTAATACA	ATATGTTATAC	ATTATA	TATA
SEQ ID NO 13	(306)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus	(638)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Section 9										
	(729)	729	740	750	760	770	780	790	800	819
SEQ ID NO 11	(729)	TTGACTCTATTTCAAAATTT	TATGGTTTTGGTGA	AAACATATGTGG	AGATGGGGCATAG	GTGTGTAAGTCT	CTGCTGATGA	AT		
SEQ ID NO 4	(579)	TTGACTCTATTTCAAAATTT	TATGGTTTTGGTGA	AAACATATGTGG	AGATGGGGCATAG	GTGTGTAAGTCT	CTGCTGATGA	AT		
SEQ ID NO 13	(306)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus	(729)	-----	-----	-----	-----	-----	-----	-----	-----	-----

align SEQID#4 against SEQID#11.apr

										Section 10	
	(820)	820	830	840	850	860	870	880	890	900	910
SEQ ID NO 11	(820)	GGTGGGAGGCATCA	TTTGGGACAAAGCCC	CAGGGCATCAGCTTA	TAGATA	TC	CAAGAGCTCA	ACAAGAGCACTTT	ATGGCAAAACCT	CCCCACA	
SEQ ID NO 4	(670)	GGTGGGAGGCATCA	TTTGGGACAAAGCCC	CAGGGCATCAGCTTA	TAGATA	TC	CAAGAGCTCA	ACAAGAGCACTTT	ATGGCAAAACCT	CCCCACA	
SEQ ID NO 13	(306)										
SEQ ID NO 16	(1)										
SEQ ID NO 15	(1)										
SEQ ID NO 17	(1)										
Consensus (820)											
	(911)	911	920	930	940	950	960	970	980	990	1001
SEQ ID NO 11	(911)	AGACCTCTCAGAAAG	TGAGAAACTGCTAAA	AGTTTCTTTATGAC	CAGATGACATTTAT	GGATAAAATAGGG	ATTAGCAGGATTC	TTTAAATA			
SEQ ID NO 4	(761)	AGACCTCTCAGAAAG	TGAGAAACTGCTAAA	AGTTTCTTTATGAC	CAGATGACATTTAT	GGATAAAATAGGG	ATTAGCAGGATTC	TTTAAATA			
SEQ ID NO 13	(306)										
SEQ ID NO 16	(1)										
SEQ ID NO 15	(1)										
SEQ ID NO 17	(1)										
Consensus (911)											
	(1002)	1002	1010	1020	1030	1040	1050	1060	1070	1080	1092
SEQ ID NO 11(1002)		CTTTCGAACACTAAC	CTTTCATTTCTACC	AGGCAGTGGGGCCC	CAAGTGCAGGGCCC	CAAGTGCAGGGCCC	CAAGTGCAGGGCCC	CAAGTGCAGGGCCC	CAAGTGCAGGGCCC	CAAGTGCAGGGCCC	CAAGTGCAGGGCCC
SEQ ID NO 4 (852)		CTTTCGAACACTAAC	CTTTCATTTCTACC	AGGCAGTGGGGCCC	CAAGTGCAGGGCCC	CAAGTGCAGGGCCC	CAAGTGCAGGGCCC	CAAGTGCAGGGCCC	CAAGTGCAGGGCCC	CAAGTGCAGGGCCC	CAAGTGCAGGGCCC
SEQ ID NO 13 (306)											
SEQ ID NO 16 (1)											
SEQ ID NO 15 (1)											
SEQ ID NO 17 (1)											
Consensus(1002)											



align SEQID#4 against SEQID#11.apr

Section 13												
(1093)	1093	1100	1110	1120	1130	1140	1150	1160	1170	1183		
SEQ ID NO 11(1093)	IGTCTGTAGAGAACTCGAAAAAATAATAGAGTCACTGAAAATGCAGTTTGGTATAAATTAATGCCATGCATCAATAATCTAAATCATACTAGT											
SEQ ID NO 4 (943)	IGTCTGTAGAGAACTCGAAAAAATAATAGAGTCACTGAAAATGCAGTTTGGTATAAATTAATGCCATGCATCAATAATCTAAATCATACTAGT											
SEQ ID NO 13 (306)	-----											
SEQ ID NO 16 (1)	-----											
SEQ ID NO 15 (1)	-----											
SEQ ID NO 17 (1)	-----											
Consensus(1093)												
Section 14												
(1184)	1184	1190	1200	1210	1220	1230	1240	1250	1260	1274		
SEQ ID NO 11(1184)	GGTCAAAATACCTCTCCCTGAAAAAAACATTTTCTTGGTTTGAATTTCTAAATAAATTTGTTGGTCACCACTGAGCTTTTAAATATATAAAATAC											
SEQ ID NO 4(1034)	GGTCAAAATACCTCTCCCTGAAAAAAACATTTTCTTGGTTTGAATTTCTAAATAAATTTGTTGGTCACCACTGAGCTTTTAAATATATAAAATAC											
SEQ ID NO 13 (306)	-----											
SEQ ID NO 16 (1)	-----											
SEQ ID NO 15 (1)	-----											
SEQ ID NO 17 (1)	-----											
Consensus(1184)												
Section 15												
(1275)	1275	1280	1290	1300	1310	1320	1330	1340	1350	1365		
SEQ ID NO 11(1275)	TTTCAAGTTTGCATATTTTTATTACCTGTTCCCTTAACAAACATTTGAATTCACATGAAAAATGATTATGGGAAACATTTCGGGTATACAGTCC											
SEQ ID NO 4(1125)	TTTCAAGTTTGCATATTTTTATTACCTGTTCCCTTAACAAACATTTGAATTCACATGAAAAATGATTATGGGAAACATTTCGGGTATACAGTCC											
SEQ ID NO 13 (306)	-----											
SEQ ID NO 16 (1)	-----											
SEQ ID NO 15 (1)	-----											
SEQ ID NO 17 (1)	-----											
Consensus(1275)												

align SEQID#4 against SEQID#11.apr

	1366	1380	1390	1400	1410	1420	1430	1440	Section 16
(1366) 1366									
SEQ ID NO 11(1366)	CTGAC	CTCTTAAGGACTCAGGTAAATAC	TTAGGGTATTTCA	TGGCCCTAGTCTTTGGGGTACCA	CAATGTTTCTTCTTCAAAATCACAGATTCA				1456
SEQ ID NO 4(1216)	CTGAC	CTCTTAAGGACTCAGGTAAATAC	TTAGGGTATTTCA	TGGCCCTAGTCTTTGGGGTACCA	CAATGTTTCTTCTTCAAAATCACAGATTCA				
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	
Consensus(1366)									
(1457) 1457									Section 17
SEQ ID NO 11(1457)	AAATCAAGAAATGATAACACACAGTGAT	TGTGTAGACAAAATAAGTGAACCAAAAAT	TGCTTGCTTCTGTCAAT	TCTGTCAAT	TCTGTCAAT	TCTGTCAAT	TCTGTCAAT	TCTGTCAAT	1547
SEQ ID NO 4(1307)	AAATCAAGAAATGATAACACACAGTGAT	TGTGTAGACAAAATAAGTGAACCAAAAAT	TGCTTGCTTCTGTCAAT	TCTGTCAAT	TCTGTCAAT	TCTGTCAAT	TCTGTCAAT	TCTGTCAAT	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	
Consensus(1457)									
(1548) 1548									Section 18
SEQ ID NO 11(1548)	TTACTTGTGCTTAAAAATTTTGAATAGTAAACACAGAGTGTCAACTTCAAT	TGCTGGAATATTTTGGCTTTT	TAGACACAAATTTTAAGTACATG						1638
SEQ ID NO 4(1398)	TTACTTGTGCTTAAAAATTTTGAATAGTAAACACAGAGTGTCAACTTCAAT	TGCTGGAATATTTTGGCTTTT	TAGACACAAATTTTAAGTACATG						
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	
Consensus(1548)									

align SEQID#4 against SEQID#11.apr

Section 19										
(1639)	1639	1650	1660	1670	1680	1690	1700	1710	1729	
SEQ ID NO 11(1639)	AAGTATTTTACAAGACTAAGTAAACATC	ACTGAAATTTACAGCTTTCTTTT	TTTAAACCTGGTATTTGTTATAAAAC	TTAAAGAGCGAAATCA						
SEQ ID NO 4(1489)	AAGTATTTTACAAGACTAAGTAAACATC	ACTGAAATTTACAGCTTTCTTTT	TTTAAACCTGGTATTTGTTATAAAAC	TTAAAGAGCGAAATCA						
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	
Consensus(1639)										
Section 20										
(1730)	1730	1740	1750	1760	1770	1780	1790	1800	1810	1820
SEQ ID NO 11(1730)	AGAAAAGCATATAATTACTTGATTATT	ACAGGATTATTACTGAAAAAGAAAAT	GTACGGAATAGAGGAGGAAGGAGTT	AAACAAATGATCCAC						
SEQ ID NO 4(1580)	AGAAAAGCATATAATTACTTGATTATT	ACAGGATTATTACTGAAAAAGAAAAT	GTACGGAATAGAGGAGGAAGGAGTT	AAACAAATGATCCAC						
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---
Consensus(1730)										
Section 21										
(1821)	1821	1830	1840	1850	1860	1870	1880	1890	1900	1911
SEQ ID NO 11(1821)	TCTGGGTGTTGAAAAACACCAATAAG	CCCTGCTTCCAGGAAGTGCCTAAGAC	ACAGAGCTGGCTCAGCTTGCTGGGT	CACAGCATGTAAGGAAAC						
SEQ ID NO 4(1671)	TCTGGGTGTTGAAAAACACCAATAAG	CCCTGCTTCCAGGAAGTGCCTAAGAC	ACAGAGCTGGCTCAGCTTGCTGGGT	CACAGCATGTAAGGAAAC						
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---
Consensus(1821)										

align SEQID#4 against SEQID#11.apr

													Section 22
(1912)	1912	1920	1930	1940	1950	1960	1970	1980	1990	2002			
SEQ ID NO 11(1912)	TGCTGGGCTACATGCCACCATCCTCAGTTGTC	CCAGATAGATAATCCCATAGCCCCCATGGGAAATAATCTTTAAATTA	GATAATAGCTTTTAAATTAAGCTTTTAAATTAAGCTTTTAAATTA	AGATAATCCCATAGCCCCCATGGGAAATCTTTAAATTA	AGATAATCCCATAGCCCCCATGGGAAATCTTTAAATTA	AGATAATCCCATAGCCCCCATGGGAAATCTTTAAATTA	AGATAATCCCATAGCCCCCATGGGAAATCTTTAAATTA	AGATAATCCCATAGCCCCCATGGGAAATCTTTAAATTA	AGATAATCCCATAGCCCCCATGGGAAATCTTTAAATTA	AGATAATCCCATAGCCCCCATGGGAAATCTTTAAATTA			
SEQ ID NO 4(1762)	TGCTGGGCTACATGCCACCATCCTCAGTTGTC	CCAGATAGATAATCCCATAGCCCCCATGGGAAATAATCTTTAAATTA	GATAATAGCTTTTAAATTAAGCTTTTAAATTAAGCTTTTAAATTA	AGATAATCCCATAGCCCCCATGGGAAATCTTTAAATTA	AGATAATCCCATAGCCCCCATGGGAAATCTTTAAATTA	AGATAATCCCATAGCCCCCATGGGAAATCTTTAAATTA	AGATAATCCCATAGCCCCCATGGGAAATCTTTAAATTA	AGATAATCCCATAGCCCCCATGGGAAATCTTTAAATTA	AGATAATCCCATAGCCCCCATGGGAAATCTTTAAATTA	AGATAATCCCATAGCCCCCATGGGAAATCTTTAAATTA			
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---			
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---			
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---			
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---			
Consensus(1912)	---	---	---	---	---	---	---	---	---	---			
													Section 23
(2003)	2003	2010	2020	2030	2040	2050	2060	2070	2080	2093			
SEQ ID NO 11(2003)	CCATTCAAAGCACATATGCTAAGTCCCTTTAATG	TGAATTAACCTTTGTCAAATTTTATTTTTCATAAA	TAAATTAACCTTTGTCAAATTTTATTTTTCATAAA	TAAATTAACCTTTGTCAAATTTTATTTTTCATAAA	TAAATTAACCTTTGTCAAATTTTATTTTTCATAAA	TAAATTAACCTTTGTCAAATTTTATTTTTCATAAA	TAAATTAACCTTTGTCAAATTTTATTTTTCATAAA	TAAATTAACCTTTGTCAAATTTTATTTTTCATAAA	TAAATTAACCTTTGTCAAATTTTATTTTTCATAAA	TAAATTAACCTTTGTCAAATTTTATTTTTCATAAA			
SEQ ID NO 4(1853)	CCATTCAAAGCACATATGCTAAGTCCCTTTAATG	TGAATTAACCTTTGTCAAATTTTATTTTTCATAAA	TAAATTAACCTTTGTCAAATTTTATTTTTCATAAA	TAAATTAACCTTTGTCAAATTTTATTTTTCATAAA	TAAATTAACCTTTGTCAAATTTTATTTTTCATAAA	TAAATTAACCTTTGTCAAATTTTATTTTTCATAAA	TAAATTAACCTTTGTCAAATTTTATTTTTCATAAA	TAAATTAACCTTTGTCAAATTTTATTTTTCATAAA	TAAATTAACCTTTGTCAAATTTTATTTTTCATAAA	TAAATTAACCTTTGTCAAATTTTATTTTTCATAAA			
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---			
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---			
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---			
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---			
Consensus(2003)	---	---	---	---	---	---	---	---	---	---			
													Section 24
(2094)	2094	2100	2110	2120	2130	2140	2150	2160	2170	2184			
SEQ ID NO 11(2094)	TCCTACCTTAAAGAGGAGAAACTGAGCTCCTAAAG	TTTAAATATCTAACCCTAAGTTAAGACTGCTAGTCA	CCCTAAGTTAAGACTGCTAGTCAAGTTAAGACTGCTAGT	CAAGTTAAGACTGCTAGTCAAGTTAAGACTGCTAGT	CAAGTTAAGACTGCTAGTCAAGTTAAGACTGCTAGT	CAAGTTAAGACTGCTAGTCAAGTTAAGACTGCTAGT	CAAGTTAAGACTGCTAGTCAAGTTAAGACTGCTAGT	CAAGTTAAGACTGCTAGTCAAGTTAAGACTGCTAGT	CAAGTTAAGACTGCTAGTCAAGTTAAGACTGCTAGT	CAAGTTAAGACTGCTAGTCAAGTTAAGACTGCTAGT			
SEQ ID NO 4(1944)	TCCTACCTTAAAGAGGAGAAACTGAGCTCCTAAAG	TTTAAATATCTAACCCTAAGTTAAGACTGCTAGTCA	CCCTAAGTTAAGACTGCTAGTCAAGTTAAGACTGCTAGT	CAAGTTAAGACTGCTAGTCAAGTTAAGACTGCTAGT	CAAGTTAAGACTGCTAGTCAAGTTAAGACTGCTAGT	CAAGTTAAGACTGCTAGTCAAGTTAAGACTGCTAGT	CAAGTTAAGACTGCTAGTCAAGTTAAGACTGCTAGT	CAAGTTAAGACTGCTAGTCAAGTTAAGACTGCTAGT	CAAGTTAAGACTGCTAGTCAAGTTAAGACTGCTAGT	CAAGTTAAGACTGCTAGTCAAGTTAAGACTGCTAGT			
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---			
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---			
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---			
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---			
Consensus(2094)	---	---	---	---	---	---	---	---	---	---			

[illegible]

align SEQID#4 against SEQID#11.apr

Section 28												
(2458) 2458	2470	2480	2490	2500	2510	2520	2530	2548				
SEQ ID NO 11(2458)	AA TAGAAATA	ICAGAGGA	AGGAAA	TAAAGG	AGGG	GTGAGAG	TAAATTC	TTTAGCAT	TCAGATT	CCACAG	ATCCACA	ATTCACAT
SEQ ID NO 4(2308)	AA TAGAAATA	ICAGAGGA	AGGAAA	TAAAGG	AGGG	GTGAGAG	TAAATTC	TTTAGCAT	TCAGATT	CCACAG	ATCCACA	ATTCACAT
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---	---	---
Consensus(2458)	---	---	---	---	---	---	---	---	---	---	---	---
Section 29												
(2549) 2549	2560	2570	2580	2590	2600	2610	2620	2639				
SEQ ID NO 11(2549)	TTTTTACCA	ACTAAGG	AAAAATA	AACAC	TTGAC	CTAAC	ATTTC	ATTG	CAGTT	AGCTA	AGAA	AACTAT
SEQ ID NO 4(2399)	TTTTTACCA	ACTAAGG	AAAAATA	AACAC	TTGAC	CTAAC	ATTTC	ATTG	CAGTT	AGCTA	AGAA	AACTAT
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---	---	---
Consensus(2549)	---	---	---	---	---	---	---	---	---	---	---	---
Section 30												
(2640) 2640	2650	2660	2670	2680	2690	2700	2710	2720	2730			
SEQ ID NO 11(2640)	CTCTAA	TTTCTC	AGGAAT	AGAGAA	AAAGTG	ACAAA	AAAGAT	TCAGAG	AAGAG	AACTAT	CAGAAA	AAATAC
SEQ ID NO 4(2490)	CTCTAA	TTTCTC	AGGAAT	AGAGAA	AAAGTG	ACAAA	AAAGAT	TCAGAG	AAGAG	AACTAT	CAGAAA	AAATAC
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---	---	---
Consensus(2640)	---	---	---	---	---	---	---	---	---	---	---	---

align SEQID#4 against SEQID#11.apr

Section 31										
(2731)	2731	2740	2750	2760	2770	2780	2790	2800	2810	2821
SEQ ID NO 11(2731)	TATAACATATTTGGGTTGAAGGTA	AAATTTTATAATTGTAATCTTAA	GTATCTTAAAGTATCTTGGTAC	TTTGGTCCCTGGAACAGCAGCAT	CAGAA					
SEQ ID NO 4(2581)	TATAACATATTTGGGTTGAAGGTA	AAATTTTATAATTGTAATCTTAA	GTATCTTAAAGTATCTTGGTAC	TTTGGTCCCTGGAACAGCAGCAT	CAGAA					
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---
Consensus(2731)	---	---	---	---	---	---	---	---	---	---
Section 32										
(2822)	2822	2830	2840	2850	2860	2870	2880	2890	2900	2912
SEQ ID NO 11(2822)	TCTGCCGAGGGCTTGTAA	AAAGGCAGAACTCTCAGG	TCCCATCC	CAGACTCACTGAATCAGAA	TATAAA	TAAATACTGACAA	GATGCCCCGGGAT			
SEQ ID NO 4(2672)	TCTGCCGAGGGCTTGTAA	AAAGGCAGAACTCTCAGG	TCCCATCC	CAGACTCACTGAATCAGAA	TATAAA	TAAATACTGACAA	GATGCCCCGGGAT			
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---
Consensus(2822)	---	---	---	---	---	---	---	---	---	---
Section 33										
(2913)	2913	2920	2930	2940	2950	2960	2970	2980	2990	3003
SEQ ID NO 11(2913)	TCATATGCACAGTAGAGCTGG	CGAAGTTCCATTGTAGCCTGTG	ATTGTTTTCTGCAACTTAGTAT	TTTCTGAGTTTCCCAAGGA	AAAAAC					
SEQ ID NO 4(2763)	TCATATGCACAGTAGAGCTGG	CGAAGTTCCATTGTAGCCTGTG	ATTGTTTTCTGCAACTTAGTAT	TTTCTGAGTTTCCCAAGGA	AAAAAC					
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---
Consensus(2913)	---	---	---	---	---	---	---	---	---	---

align SEQID#4 against SEQID#11.apr

	3004	3010	3020	3030	3040	3050	3060	3070	3080	Section 34
(3004) 3004	3004	3010	3020	3030	3040	3050	3060	3070	3080	
SEQ ID NO 11(3004)	CCAGGCCCTTAGCTTCTGGCAGACCTTG	GGCAGACCTTG	GGCAGACCTTG	GGCAGACCTTG	GGCAGACCTTG	GGCAGACCTTG	GGCAGACCTTG	GGCAGACCTTG	GGCAGACCTTG	3094
SEQ ID NO 4(2854)	CCAGGCCCTTAGCTTCTGGCAGACCTTG	GGCAGACCTTG	GGCAGACCTTG	GGCAGACCTTG	GGCAGACCTTG	GGCAGACCTTG	GGCAGACCTTG	GGCAGACCTTG	GGCAGACCTTG	3094
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---
Consensus(3004)	---	---	---	---	---	---	---	---	---	---
(3095) 3095	3100	3110	3120	3130	3140	3150	3160	3170	3185	Section 35
SEQ ID NO 11(3095)	TTTCCTCATCTATAAAATGGAGACTATA	ATAAATCAATCTCCTAGGCTTG	TTT	TGAGGAGTTC	CAACAAATG	CTCCTTTC	CAATCCCTCTATTTA			
SEQ ID NO 4(2945)	TTTCCTCATCTATAAAATGGAGACTATA	ATAAATCAATCTCCTAGGCTTG	TTT	TGAGGAGTTC	CAACAAATG	CTCCTTTC	CAATCCCTCTATTTA			
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---
Consensus(3095)	---	---	---	---	---	---	---	---	---	---
(3186) 3186	3200	3210	3220	3230	3240	3250	3260	3276		Section 36
SEQ ID NO 11(3186)	CAGACCTGCGCGCAGACAAATTCGCTAG	CAGCCCTTG	GGCTATTA	TATCTGTGTTT	CTAAACCTTAG	TAATGAGTGTGATCT	TGGAGACTAACTCT			
SEQ ID NO 4(3036)	CAGACCTGCGCGCAGACAAATTCGCTAG	CAGCCCTTG	GGCTATTA	TATCTGTGTTT	CTAAACCTTAG	TAATGAGTGTGATCT	TGGAGACTAACTCT			
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (36)	CAGACCTGCGCGCAGACAAATTCGCTAG	CAGCCCTTG	GGCTATTA	TATCTGTGTTT	CTAAACCTTAG	TAATGAGTGTGATCT	TGGAGACTAACTCT			
Consensus(3186)	CAGACCTGCGCGCAGACAAATTCGCTAG	CAGCCCTTG	GGCTATTA	TATCTGTGTTT	CTAAACCTTAG	TAATGAGTGTGATCT	TGGAGACTAACTCT			



align SEQID#4 against SEQID#11.apr

	3277	3290	3300	3310	3320	3330	3340	3350	Section 37
(3277) 3277									
SEQ ID NO 11(3277)	GAAATAAATAAGCTGATTATTTATTTATTTCTC	CAAAACAACAGATACGATTTAGC	AAATTTACCTTTAAGATATTTTACATTTCTA						3367
SEQ ID NO 4(3127)	GAAATAAATAAGCTGATTATTTATTTCTC	CAAAACAACAGATACGATTTAGC	AAATTTACCTTTAAGATATTTTACATTTCTA						
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (127)	GAAATAAATAAGCTGATTATTTATTTATTTCTC	CAAAACAACAGATACGATTTAGC	AAATTTACCTTTAAGATATTTTACATTTCTA						
Consensus(3277)	GAAATAAATAAGCTGATTATTTATTTATTTCTC	CAAAACAACAGATACGATTTAGC	AAATTTACCTTTAAGATATTTTACATTTCTA						Section 38
(3368) 3368									
SEQ ID NO 11(3368)	TATTCCTCGTACCCCTGAGTTGATGIGGAGCAATA	TAIGTCACTTTTCATAAAGCCAGGTAATACATTA	IGGCACAGGTAAGTAAAAACAATATAT						3458
SEQ ID NO 4(3218)	TATTCCTCGTACCCCTGAGTTGATGIGGAGCAATA	TAIGTCACTTTTCATAAAGCCAGGTAATACATTA	IGGCACAGGTAAGTAAAAACAATATAT						
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (218)	TATTCCTCGTACCCCTGAGTTGATGIGGAGCAATA	TAIGTCACTTTTCATAAAGCCAGGTAATACATTA	IGGCACAGGTAAGTAAAAACAATATAT						
Consensus(3368)	TATTCCTCGTACCCCTGAGTTGATGIGGAGCAATA	TAIGTCACTTTTCATAAAGCCAGGTAATACATTA	IGGCACAGGTAAGTAAAAACAATATAT						Section 39
(3459) 3459									
SEQ ID NO 11(3459)	TTATTTCTACGTTTTTTGGTCCAAAAAAATTTTAA	ATTTTCAACTGTTGCGCGTGTGTTGGTAAATGT	ATAAAACAACCTCAGTACAGTAGTATTCAGTA						3549
SEQ ID NO 4(3309)	TTATTTCTACGTTTTTTGGTCCAAAAAAATTTTAA	ATTTTCAACTGTTGCGCGTGTGTTGGTAAATGT	ATAAAACAACCTCAGTACAGTAGTATTCAGTA						
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (309)	TTATTTCTACGTTTTTTGGTCCAAAAAAATTTTAA	ATTTTCAACTGTTGCGCGTGTGTTGGTAAATGT	ATAAAACAACCTCAGTACAGTAGTATTCAGTA						
Consensus(3459)	TTATTTCTACGTTTTTTGGTCCAAAAATTTTAAAT	TTTCAACTGTTGCGCGTGTGTTGGTAA							

align SEQID#4 against SEQID#11.apr

	3550	3560	3570	3580	3590	3600	3610	3620	3630	Section 40
(3550) 3550										
SEQ ID NO 11(3550)	CAGTATTTAAGCCCCCT	GTACTTTAAACAATAT	CCCTCGTACCAATGA	AGTTACATGAAAAGCA	AAATTTGTGTGAGAT	ATCGTAGATGGAAGTA				3640
SEQ ID NO 4(3400)	CAGTATTTAAGCCCCCT	GTACTTTAAACAATAT	CCCTCGTACCAATGA	AGTTACATGAAAAGCA	AAATTTGTGTGAGAT	ATCGTAGATGGAAGTA				
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	
Consensus(3550)										
(3641) 3641		3650	3660	3670	3680	3690	3700	3710	3720	Section 41
SEQ ID NO 11(3641)	AATTAGTCTTTTATG	TTCCCCACAAAATT	GAAAATGCATTTCA	AAAAACTCTGTGTG	TGTAATGTGTGTG	TGACACAGAGTGT	GTGTGTGAGAGAG			3731
SEQ ID NO 4(3491)	AATTAGTCTTTTATG	TTCCCCACAAAATT	GAAAATGCATTTCA	AAAAACTCTGTGTG	TGTAATGTGTGTG	TGACACAGAGTGT	GTGTGTGAGAGAG			
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	
Consensus(3641)										
(3732) 3732		3740	3750	3760	3770	3780	3790	3800	3810	Section 42
SEQ ID NO 11(3732)	ACAGAGAGATACGCT	TTGGTTGCCCTCC	ATAAGCTGGCTGCT	ATGATTAAATAAG	ACCAGTTTCTTA	AGAAAATGAGAT	TCATAACAAAAGC			3822
SEQ ID NO 4(3582)	ACAGAGAGATACGCT	TTGGTTGCCCTCC	ATAAGCTGGCTGCT	ATGATTAAATAAG	ACCAGTTTCTTA	AGAAAATGAGAT	TCATAACAAAAGC			
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	
Consensus(3732)										

[illegible]

align SEQID#4 against SEQID#11.apr

	4110	4120	4130	4140	4150	4160	4170	Section 46
(4096) 4096								
SEQ ID NO 11(4096)	TCCTTTT	TTTAAAGTTAAATGACCTACGATCCATTTCTTCCCTGACCTAACAAAGCAGCAAGCACTTAAAAATATCCAGCCAGGATGAA						4186
SEQ ID NO 4(3946)	TCCTTTT	TTTAAAGTTAAATGACCTACGATCCATTTCTTCCCTGACCTAACAAAGCAGCAAGCACTTAAAAATATCCAGCCAGGATGAA						
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (249)	TCCTTTT	TTTAAAGTTAAATGACCTACGATCCATTTCTTCCCTGACCTAACAAAGCAGCAAGCACTTAAAAATATCCAGCCAGGATGAA						
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(4096)	TCCTTTT	TTTAAAGTTAAATGACCTACGATCCATTTCTTCCCTGACCTAACAAAGCAGCAAGCACTTAAAAATATCCAGCCAGGATGAA						Section 47
(4187) 4187	4200	4210	4220	4230	4240	4250	4260	4277
SEQ ID NO 11(4187)	ATAGAAACCCACCTGACTTGTAAATATTTTGTGTTGGTCCAGGGACTCAGATTCCTAAGCCAAATTCCTTGAATGATCTTGGCAAATGCTCT							
SEQ ID NO 4(4037)	ATAGAAACCCACCTGACTTGTAAATATTTTGTGTTGGTCCAGGGACTCAGATTCCTAAGCCAAATTCCTTGAATGATCTTGGCAAATGCTCT							
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (340)	ATAGAAACCCACCTGACTTGTAAATATTTTGTGTTGGTCCAGGGACTCAGATTCCTAAGCCAAATTCCTTGAATGATCTTGGCAAATGCTCT							
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(4187)	ATAGAAACCCACCTGACTTGTAAATATTTTGTGTTGGTCCAGGGACTCAGATTCCTAAGCCAAATTCCTTGAATGATCTTGGCAAATGCTCT							Section 48
(4278) 4278	4290	4300	4310	4320	4330	4340	4350	4368
SEQ ID NO 11(4278)	CGAATTATTTTGGCCAACTTTTCTTTATCTTTGGAAAAAAAAGTTTTCATGAAATGGGTGTCAAAAATTGATTTTAAAAACCTTTTCTTTCAG							
SEQ ID NO 4(4128)	CGAATTATTTTGGCCAACTTTTCTTTATCTTTGGAAAAAAAAGTTTTCATGAAATGGGTGTCAAAAATTGATTTTAAAAACCTTTTCTTTCAG							
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (431)	CGAATTATTTTGGCCAACTTTTCTTTATCTTTGGAAAAAAAAGTTTTCATGAAATGGGTGTCAAAAATTGATTTTAAAAACCTTTTCTTTCAG							
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(4278)	CGAATTATTTTGGCCAACTTTTCTTTATCTTTGGAAAAAAAAGTTTTCATGAAATGGGTGTCAAAAATTGATTTTAAAAACCTTTTCTTTCAG							

align SEQID#4 against SEQID#11.apr

Section 49																	Section 49	
	(4369) 4369	4380	4390	4400	4410	4420	4430	4440	4450									
SEQ ID NO 11(4369)	ATACGTA	TGGCAC	CCCTA	RAAC	TGTA	TTAG	AAAA	AAAG	TAAAG	TAC	TCTGT	AGT	CTGT	AGT	CTGT	AGT	CTGT	
SEQ ID NO 4(4219)	ATACGTA	TGGCAC	CCCTA	RAAC	TGTA	TTAG	AAAA	AAAG	TAAAG	TAC	TCTGT	AGT	CTGT	AGT	CTGT	AGT	CTGT	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (522)	ATACGTA	TGGCAC	CCCTA	RAAC	TGTA	TTAG	AAAA	AAAG	TAAAG	TAC	TCTGT	AGT	CTGT	AGT	CTGT	AGT	CTGT	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Consensus(4369) ATACGTA TGGCAC CCCTA RAAC TGTA TTAG AAAA																		
Section 50																		
	(4460) 4460	4470	4480	4490	4500	4510	4520	4530	4540	4550								
SEQ ID NO 11(4460)	CAAAA	CAGC	CTT	TGGAA	TAC	CCCA	TGA	AGT	AGT	AGT	AGT	AGT	AGT	AGT	AGT	AGT		
SEQ ID NO 4(4255)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Consensus(4460)																		
Section 51																		
	(4551) 4551	4560	4570	4580	4590	4600	4610	4620	4630	4640								
SEQ ID NO 11(4551)	TGGC	AGGT	GTGG	TGGCT	CAC	ACCT	GTAA	TTCC	AGC	ACTT	TGGG	AGG	CCCA	AGG	CGGG	CGG		
SEQ ID NO 4(4255)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Consensus(4551)																		

[illegible]

Section 55									
(4915)	4915	4920	4930	4940	4950	4960	4970	4980	4990
SEQ ID NO 11(4915)	CCTAGTTGGGTAATGGCCCTCTGGGCAGGACTGGAGTGGGGCACACAGGAGAAAGCTGCAAACTATGTTTAGAAGCATGCTCTGGGAAATGT								
SEQ ID NO 4(4255)									
SEQ ID NO 13 (306)									
SEQ ID NO 16 (1)									
SEQ ID NO 15 (558)									
SEQ ID NO 17 (367)									
Consensus(4915)									
Section 56									
(5006)	5006	5020	5030	5040	5050	5060	5070	5080	5096
SEQ ID NO 11(5006)	CATGCAAGAAAAGACATATTTAAAGGTAGGCTTTGTCATGAATGGAAAAGGAGAGTAATTTCTATGTAGACGAGAGCCCTTACTTGCAGTGA								
SEQ ID NO 4(4255)									
SEQ ID NO 13 (306)									
SEQ ID NO 16 (1)									
SEQ ID NO 15 (558)									
SEQ ID NO 17 (367)									
Consensus(5006)									
Section 57									
(5097)	5097	5110	5120	5130	5140	5150	5160	5170	5187
SEQ ID NO 11(5097)	GAGAAGCAAAAGTGGGGAAGCAAGAGGAATTAATGCTTTTTCATCAGCCAAATTTGCAGGTAGGAGGATTGGCTCAGTCATCTTGGCTGAGGC								
SEQ ID NO 4(4255)									
SEQ ID NO 13 (306)									
SEQ ID NO 16 (1)									
SEQ ID NO 15 (558)									
SEQ ID NO 17 (367)									
Consensus(5097)									

align SEQID#4 against SEQID#11.apr

	5188	5200	5210	5220	5230	5240	5250	5260	Section 58
(5188) 5188	T	C	A	T	G	A	A	A	5278
SEQ ID NO 11(5188)	T	C	A	T	G	A	A	A	5278
SEQ ID NO 4(4255)	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---
Consensus(5188)	---	---	---	---	---	---	---	---	---
Section 59									
(5279) 5279	T	T	T	G	A	T	G	G	5369
SEQ ID NO 11(5279)	T	T	T	G	A	T	G	G	5369
SEQ ID NO 4(4255)	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---
Consensus(5279)	---	---	---	---	---	---	---	---	---
Section 60									
(5370) 5370	T	A	C	C	C	A	T	G	5460
SEQ ID NO 11(5370)	T	A	C	C	C	A	T	G	5460
SEQ ID NO 4(4255)	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---
Consensus(5370)	---	---	---	---	---	---	---	---	---



align SEQID#4 against SEQID#11.apr

	5461	5470	5480	5490	5500	5510	5520	5530	5540	Section 61
(5461) 5461	-----	-----	-----	-----	-----	-----	-----	-----	-----	5551
SEQ ID NO 11(5461)	AAATGACATAAAATGAGGTTTTTAA	TTTAA	TTTAA	TTTAA	TTTAA	TTTAA	TTTAA	TTTAA	TTTAA	5551
SEQ ID NO 4(4255)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5551
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5551
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5551
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5551
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5551
Consensus(5461)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5551
Section 62										
(5552) 5552	5560	5570	5580	5590	5600	5610	5620	5630	5642	
SEQ ID NO 11(5552)	TATGCCGTGGAGAGAAATTTGGTTAA	TTGGTTAA	TTGGTTAA	TTGGTTAA	TTGGTTAA	TTGGTTAA	TTGGTTAA	TTGGTTAA	TTGGTTAA	5642
SEQ ID NO 4(4255)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5642
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5642
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5642
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5642
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5642
Consensus(5552)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5642
Section 63										
(5643) 5643	5650	5660	5670	5680	5690	5700	5710	5720	5733	
SEQ ID NO 11(5643)	GCATCCTTCCCTGTCCCTCAATTC	CAATTC	CAATTC	CAATTC	CAATTC	CAATTC	CAATTC	CAATTC	CAATTC	5733
SEQ ID NO 4(4255)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5733
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5733
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5733
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5733
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5733
Consensus(5643)	-----	-----	-----	-----	-----	-----	-----	-----	-----	5733

align SEQID#4 against SEQID#11.apr

	5734	5740	5750	5760	5770	5780	5790	5800	5810	Section 64
(5734) 5734	CTTTCAGGAAAAATTTTGAAAAATG									
SEQ ID NO 11(5734)	CTTTCAGGAAAAATTTTGAAAAATG									5824
SEQ ID NO 4(4255)	-----									-----
SEQ ID NO 13 (306)	-----									-----
SEQ ID NO 16 (1)	-----									-----
SEQ ID NO 15 (558)	-----									-----
SEQ ID NO 17 (367)	-----									-----
Consensus(5734)	-----									-----
										Section 65
(5825) 5825	5830	5840	5850	5860	5870	5880	5890	5900	5915	
SEQ ID NO 11(5825)	AAATCTTGCAAAATCATTTGAGCCAAAAACG									5915
SEQ ID NO 4(4255)	-----									-----
SEQ ID NO 13 (306)	-----									-----
SEQ ID NO 16 (1)	-----									-----
SEQ ID NO 15 (558)	-----									-----
SEQ ID NO 17 (367)	-----									-----
Consensus(5825)	-----									-----
										Section 66
(5916) 5916	5930	5940	5950	5960	5970	5980	5990	6006		
SEQ ID NO 11(5916)	GCAGGGAGAGTTGATGGGGGGGGGGGTTCA								6006	
SEQ ID NO 4(4255)	-----								-----	
SEQ ID NO 13 (306)	-----								-----	
SEQ ID NO 16 (1)	-----								-----	
SEQ ID NO 15 (558)	-----								-----	
SEQ ID NO 17 (367)	-----								-----	
Consensus(5916)	-----								-----	

align SEQID#4 against SEQID#11.apr

	6007	6020	6030	6040	6050	6060	6070	6080	Section 67
(6007) 6007	AAATGTC	TTTGGTT	TAATAAT	CAGGGG	ATTAAG	ATACAG	ATAGAG	ATCCCA	6097
SEQ ID NO 11(6007)	AAATGTC	TTTGGTT	TAATAAT	CAGGGG	ATTAAG	ATACAG	ATAGAG	ATCCCA	6097
SEQ ID NO 4(4255)	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---
Consensus(6007)	---	---	---	---	---	---	---	---	---
Section 68									
(6098) 6098	ATACCG	CGCGG	CGGTGG	CTCAC	GGCTG	AAATCC	CAGCA	CTTTG	6188
SEQ ID NO 11(6098)	ATACCG	CGCGG	CGGTGG	CTCAC	GGCTG	AAATCC	CAGCA	CTTTG	6188
SEQ ID NO 4(4255)	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---
Consensus(6098)	---	---	---	---	---	---	---	---	---
Section 69									
(6189) 6189	CTGGCT	AACGT	GGTGAA	CCCTG	CTCTCT	CTACTA	AAAAAT	ACAAAA	6279
SEQ ID NO 11(6189)	CTGGCT	AACGT	GGTGAA	CCCTG	CTCTCT	CTACTA	AAAAAT	ACAAAA	6279
SEQ ID NO 4(4255)	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---
Consensus(6189)	---	---	---	---	---	---	---	---	---

align SEQID#4 against SEQID#11.apr

	6280	6290	6300	6310	6320	6330	6340	6350	6360	Section 70
(6280) 6280	GGCGGAGGCAGGAGAA	GGGIGTGAACTCAGGAGGCGGAGCTTGCAGTCAGCCGAGATTGCCCAATGCAC	TCAGCCCTGGGCGACAGAACG							6370
SEQ ID NO 11(6280)	GGCGGAGGCAGGAGAA	GGGIGTGAACTCAGGAGGCGGAGCTTGCAGTCAGCCGAGATTGCCCAATGCAC	TCAGCCCTGGGCGACAGAACG							
SEQ ID NO 4(4255)										
SEQ ID NO 13 (306)										
SEQ ID NO 16 (1)										
SEQ ID NO 15 (558)										
SEQ ID NO 17 (367)										
Consensus(6280)										
(6371) 6371	AGACTCCGTC	TCAGAAACAAAACAAAAGGAAATGCCAAATACCAGCAGAGAAATAGAGCCAAATCATGAACATAAGCTAAACAAATGTTGGCAGT								6461
SEQ ID NO 11(6371)	AGACTCCGTC	TCAGAAACAAAACAAAAGGAAATGCCAAATACCAGCAGAGAAATAGAGCCAAATCATGAACATAAGCTAAACAAATGTTGGCAGT								
SEQ ID NO 4(4255)										
SEQ ID NO 13 (306)										
SEQ ID NO 16 (1)										
SEQ ID NO 15 (558)										
SEQ ID NO 17 (367)										
Consensus(6371)										
(6462) 6462	GTAGCCTAGTGGTTAAGAGAGCAGACTCTTA	ACTAGAACACTGCACCTCCATGTCCTCACTGTAGACCCCTCACTGTGGGTTCTAATTAACC								6552
SEQ ID NO 11(6462)	GTAGCCTAGTGGTTAAGAGAGCAGACTCTTA	ACTAGAACACTGCACCTCCATGTCCTCACTGTAGACCCCTCACTGTGGGTTCTAATTAACC								
SEQ ID NO 4(4255)										
SEQ ID NO 13 (306)										
SEQ ID NO 16 (1)										
SEQ ID NO 15 (558)										
SEQ ID NO 17 (367)										
Consensus(6462)										

align SEQID#4 against SEQID#11.apr

	6553	6560	6570	6580	6590	6600	6610	6620	6630	Section 73
(6553) 6553	CC	GT	TA	CT	TA	AG	TT	CG	TT	6643
SEQ ID NO 11(6553)	CC	GT	TA	CT	TA	AG	TT	CG	TT	6643
SEQ ID NO 4(4255)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(6553)	---	---	---	---	---	---	---	---	---	---
	6644	6650	6660	6670	6680	6690	6700	6710	6720	Section 74
(6644) 6644	GT	TA	CT	TA	AG	TT	CG	TT	CG	6734
SEQ ID NO 11(6644)	GT	TA	CT	TA	AG	TT	CG	TT	CG	6734
SEQ ID NO 4(4255)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(6644)	---	---	---	---	---	---	---	---	---	---
	6735	6740	6750	6760	6770	6780	6790	6800	6810	Section 75
(6735) 6735	AC	TT	AA	GA	CT	GA	TT	TA	CT	6825
SEQ ID NO 11(6735)	AC	TT	AA	GA	CT	GA	TT	TA	CT	6825
SEQ ID NO 4(4255)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(6735)	---	---	---	---	---	---	---	---	---	---

align SEQID#4 against SEQID#11.apr

	6826	6840	6850	6860	6870	6880	6890	6900	Section 76
(6826) 6826	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 11(6826)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 4(4255)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(6826)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Section 77									
(6917) 6917	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 11(6917)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 4(4255)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(6917)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Section 78									
(7008) 7008	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 11(7008)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 4(4255)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(7008)	-----	-----	-----	-----	-----	-----	-----	-----	-----

[illegible]

	(7372)	7372	7380	7390	7400	7410	7420	7430	7440	7450	7462	Section 82
SEQ ID NO 11(7372)	TTCCTTTAAGCAGACCATGTC	TTAGTAGTGAATGCCCTTTT	TCTAGTTAAACAGGAAAGT	GAAGTGAAGCACAATTAT	CAAGGCTCTCC							
SEQ ID NO 4(4256)	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---	---	
Consensus(7372)	---	---	---	---	---	---	---	---	---	---	---	
Section 83												
SEQ ID NO 11(7463)	AGTCATCTCCACATGTTCT	TAAATCAATCTTCTTTT	TACAGTTTCATATCTCC	AGGCTTTTCATTGGGTC	AGTTGGCAATTTGGCTG	CCCT						
SEQ ID NO 4(4256)	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---	---	
Consensus(7463)	---	---	---	---	---	---	---	---	---	---	---	
Section 84												
SEQ ID NO 11(7554)	TTAATGTTGACAAAGTGAAA	ATAAGGAAAGAAAATCA	AGTGAAGAAAATCAGAA	ATCTGCGCAGAGTCC	TGGGGTTTCAGGCTG	CG						
SEQ ID NO 4(4305)	TTAATGTTGACAAAGTGAAA	ATAAGGAAAGAAAATCA	AGTGAAGAAAATCAGAA	ATCTGCGCAGAGTCC	TGGGGTTTCAGGCTG	CG						
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (51)	TTAATGTTGACAAAGTGAAA	ATAAGGAAAGAAAATCA	AGTGAAGAAAATCAGAA	ATCTGCGCAGAGTCC	TGGGGTTTCAGGCTG	CG						
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---	---	
Consensus(7554)	TTAATGTTGACAAAGTGAAA	ATAAGGAAAGAAAATCA	AGTGAAGAAAATCAGAA	ATCTGCGCAGAGTCC	TGGGGTTTCAGGCTG	CG						



align SEQID#4 against SEQID#11.apr

	7645	7650	7660	7670	7680	7690	7700	7710	7720	Section 85
SEQ ID NO 11(7645)	(7645)	7645	7660	7670	7680	7690	7700	7710	7720	7735
SEQ ID NO 4(4396)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (142)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(7645)	TTCCACATCACCTGCCTCATCAAGCCCCAGCATCCATCTCCTTGCTCATCTTACACCCCTGTGTGTCATGACAGGCCACCATTTCATTTATC									Section 86
SEQ ID NO 11(7736)	(7736)	7736	7750	7760	7770	7780	7790	7800	7810	7826
SEQ ID NO 4(4487)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (233)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(7736)	AGAGCAAAGGCTCTCCCACTATTCTGGTTACCCCCCTACTTAGCCAGATATACAAGAAATATCTGCACGGATGACCTGCCTCACCTGGGAG									Section 87
SEQ ID NO 11(7827)	(7827)	7827	7840	7850	7860	7870	7880	7890	7900	7917
SEQ ID NO 4(4578)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (324)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(7827)	CTCAGAGGAGCTCAGATTCCATTACTATCGCACCAAGGACAGATCTCCAGCAAGAAATGACAGAAAAGACTAACTGCCCCCAAAATCTCCC									

align SEQID#4 against SEQID#11.apr

	(7918)	7918	7930	7940	7950	7960	7970	7980	7990	Section 88
SEQ ID NO 11(7918)										8008
SEQ ID NO 4(4669)										8008
SEQ ID NO 13 (306)										8008
SEQ ID NO 16 (415)										8008
SEQ ID NO 15 (558)										8008
SEQ ID NO 17 (367)										8008
Consensus(7918)										8008
SEQ ID NO 11(8009)										8099
SEQ ID NO 4(4760)										8099
SEQ ID NO 13 (306)										8099
SEQ ID NO 16 (506)										8099
SEQ ID NO 15 (558)										8099
SEQ ID NO 17 (367)										8099
Consensus(8009)										8099
SEQ ID NO 11(8100)										8190
SEQ ID NO 4(4851)										8190
SEQ ID NO 13 (306)										8190
SEQ ID NO 16 (597)										8190
SEQ ID NO 15 (558)										8190
SEQ ID NO 17 (367)										8190
Consensus(8100)										8190

	(8191)	8191	8200	8210	8220	8230	8240	8250	8260	8270	Section 91
SEQ ID NO 11(8191)	TATATTCAGT	CATAGTGGG	AAAAATAGG	ATATTCCTTTAG	CTCGATAGCA	CAACCAAG	TTCTCTTCA	AAATCTTTG	GACATTTAA	TCAAT	8281
SEQ ID NO 4(4942)	TATATTCAGT	CATAGTGGG	AAAAATAGG	ATATTCCTTTAG	CTCGATAGCA	CAACCAAG	TTCTCTTCA	AAATCTTTG	GACATTTAA	TCAAT	8281
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	8281
SEQ ID NO 16 (688)	TATATTCAGT	CATAGTGGG	AAAAATAGG	ATATTCCTTTAG	CTCGATAGCA	CAACCAAG	TTCTCTTCA	AAATCTTTG	GACATTTAA	TCAAT	8281
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	8281
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	8281
Consensus(8191)	TATATTCAGT	CATAGTGGG	AAAAATAGG	ATATTCCTTTAG	CTCGATAGCA	CAACCAAG	TTCTCTTCA	AAATCTTTG	GACATTTAA	TCAAT	8281
	(8282)	8282	8290	8300	8310	8320	8330	8340	8350	8360	Section 92
SEQ ID NO 11(8282)	CAGAAATTG	AATTTGG	AAAAACTG	TTTCCCTATG	AAGCTATCTCTG	CTGAAGG	ATTTCTTTTAC	AAATCCAG	ACTATAG	AAGGAAAATTC	8372
SEQ ID NO 4(5033)	CAGAAATTG	AATTTGG	AAAAACTG	TTTCCCTATG	AAGCTATCTCTG	CTGAAGG	ATTTCTTTTAC	AAATCCAG	ACTATAG	AAGGAAAATTC	8372
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	8372
SEQ ID NO 16 (779)	CAGAAATTG	AATTTGG	AAAAACTG	TTTCCCTATG	AAGCTATCTCTG	CTGAAGG	ATTTCTTTTAC	AAATCCAG	ACTATAG	AAGGAAAATTC	8372
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	8372
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	8372
Consensus(8282)	CAGAAATTG	AATTTGG	AAAAACTG	TTTCCCTATG	AAGCTATCTCTG	CTGAAGG	ATTTCTTTTAC	AAATCCAG	ACTATAG	AAGGAAAATTC	8372
	(8373)	8373	8380	8390	8400	8410	8420	8430	8440	8450	Section 93
SEQ ID NO 11(8373)	CAACCTGG	ACTTTCA	CTCCATT	TGGTCAG	AGTTTTACT	TGACCAAT	TCCACCT	CTGCTT	ACACCT	TAAGAGG	8463
SEQ ID NO 4(5124)	CAACCTGG	ACTTTCA	CTCCATT	TGGTCAG	AGTTTTACT	TGACCAAT	TCCACCT	CTGCTT	ACACCT	TAAGAGG	8463
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	8463
SEQ ID NO 16 (870)	CAACCTGG	ACTTTCA	CTCCATT	TGGTCAG	AGTTTTACT	TGACCAAT	TCCACCT	CTGCTT	ACACCT	TAAGAGG	8463
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	8463
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	8463
Consensus(8373)	CAACCTGG	ACTTTCA	CTCCATT	TGGTCAG	AGTTTTACT	TGACCAAT	TCCACCT	CTGCTT	ACACCT	TAAGAGG	8463

										Section 94
(8464)	8464	8470	8480	8490	8500	8510	8520	8530	8540	8554
SEQ ID NO 11(8464)	TTCCACATACCCCAACAGTTACAAAATGGTGTATTATTAAAGCATCTTTTAAATTTGTGGCCCTCTGATTAACATGGTCCCTAAATTTTGACCT									
SEQ ID NO 4(5215)	TTCCACATACCCCAACAGTTACAAAATGGTGTATTATTAAAGCATCTTTTAAATTTGTGGCCCTCTGATTAACATGGTCCCTAAATTTTGACCT									
SEQ ID NO 13 (306)	TTCCACATACCCCAACAGTTACAAAATGGTGTATTATTAAAGCATCTTTTAAATTTGTGGCCCTCTGATTAACATGGTCCCTAAATTTTGACCT									
SEQ ID NO 16 (961)	TTCCACATACCCCAACAGTTACAAAATGGTGTATTATTAAAGCATCTTTTAAATTTGTGGCCCTCTGATTAACATGGTCCCTAAATTTTGACCT									
SEQ ID NO 15 (558)	TTCCACATACCCCAACAGTTACAAAATGGTGTATTATTAAAGCATCTTTTAAATTTGTGGCCCTCTGATTAACATGGTCCCTAAATTTTGACCT									
SEQ ID NO 17 (367)	TTCCACATACCCCAACAGTTACAAAATGGTGTATTATTAAAGCATCTTTTAAATTTGTGGCCCTCTGATTAACATGGTCCCTAAATTTTGACCT									
Consensus(8464)	TTCCACATACCCCAACAGTTACAAAATGGTGTATTATTAAAGCATCTTTTAAATTTGTGGCCCTCTGATTAACATGGTCCCTAAATTTTGACCT									
Section 95										
(8555)	8555	8560	8570	8580	8590	8600	8610	8620	8630	8645
SEQ ID NO 11(8555)	AATCACAAAAGATTGGTAAAAATTTCTTAACATATTAAATAATTTTGTTTAATGGTCAATAATCTTACGATGATCAATTAAGACACAGAGGTC									
SEQ ID NO 4(5306)	AATCACAAAAGATTGGTAAAAATTTCTTAACATATTAAATAATTTTGTTTAATGGTCAATAATCTTACGATGATCAATTAAGACACAGAGGTC									
SEQ ID NO 13 (306)	AATCACAAAAGATTGGTAAAAATTTCTTAACATATTAAATAATTTTGTTTAATGGTCAATAATCTTACGATGATCAATTAAGACACAGAGGTC									
SEQ ID NO 16(1052)	AATCACAAAAGATTGGTAAAAATTTCTTAACATATTAAATAATTTTGTTTAATGGTCAATAATCTTACGATGATCAATTAAGACACAGAGGTC									
SEQ ID NO 15 (558)	AATCACAAAAGATTGGTAAAAATTTCTTAACATATTAAATAATTTTGTTTAATGGTCAATAATCTTACGATGATCAATTAAGACACAGAGGTC									
SEQ ID NO 17 (367)	AATCACAAAAGATTGGTAAAAATTTCTTAACATATTAAATAATTTTGTTTAATGGTCAATAATCTTACGATGATCAATTAAGACACAGAGGTC									
Consensus(8555)	AATCACAAAAGATTGGTAAAAATTTCTTAACATATTAAATAATTTTGTTTAATGGTCAATAATCTTACGATGATCAATTAAGACACAGAGGTC									
Section 96										
(8646)	8646	8660	8670	8680	8690	8700	8710	8720		8736
SEQ ID NO 11(8646)	TTAACGTTCTCTTTTGAAGAGAAATATTAGGATTCAGAGATATTAAAGAGATTTCTCCAGGATTCACAGTTAGGTAACAGAGCTGGATTTTA									
SEQ ID NO 4(5397)	TTAACGTTCTCTTTTGAAGAGAAATATTAGGATTCAGAGATATTAAAGAGATTTCTCCAGGATTCACAGTTAGGTAACAGAGCTGGATTTTA									
SEQ ID NO 13 (306)	TTAACGTTCTCTTTTGAAGAGAAATATTAGGATTCAGAGATATTAAAGAGATTTCTCCAGGATTCACAGTTAGGTAACAGAGCTGGATTTTA									
SEQ ID NO 16(1143)	TTAACGTTCTCTTTTGAAGAGAAATATTAGGATTCAGAGATATTAAAGAGATTTCTCCAGGATTCACAGTTAGGTAACAGAGCTGGATTTTA									
SEQ ID NO 15 (558)	TTAACGTTCTCTTTTGAAGAGAAATATTAGGATTCAGAGATATTAAAGAGATTTCTCCAGGATTCACAGTTAGGTAACAGAGCTGGATTTTA									
SEQ ID NO 17 (367)	TTAACGTTCTCTTTTGAAGAGAAATATTAGGATTCAGAGATATTAAAGAGATTTCTCCAGGATTCACAGTTAGGTAACAGAGCTGGATTTTA									
Consensus(8646)	TTAACGTTCTCTTTTGAAGAGAAATATTAGGATTCAGAGATATTAAAGAGATTTCTCCAGGATTCACAGTTAGGTAACAGAGCTGGATTTTA									

align SEQID#4 against SEQID#11.apr

										Section 97
(8737)	8737	8750	8760	8770	8780	8790	8800	8810		8827
SEQ ID NO 11(8737)	GTCCAGGCTGTCTACAGGCTTAACGGTATATACACCCCTTTGTATATACATGTGCACGAATTCAGCAATAAAGGGAATCTTCAGTGAATCTAAAGTCA									
SEQ ID NO 4(5488)	GTCCAGGCTGTCTACAGGCTTAACGGTATATACACCCCTTTGTATATACATGTGCACGAATTCAGCAATAAAGGGAATCTTCAGTGAATCTAAAGTCA									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 16(1234)	GTCCAGGCTGTCTACAGGCTTAACGGTATATACACCCCTTTGTATATACATGTGCACGAATTCAGCAATAAAGGGAATCTTCAGTGAATCTAAAGTCA									
SEQ ID NO 15 (558)	-----									
SEQ ID NO 17 (367)	-----									
Consensus(8737)	GTCCAGGCTGTCTACAGCTCTAACGTATATACACCCCTTTGTATATACATGTGCACGAATTCAGCAATAAAGGGAATCTTCAGTGAATCTAAAGTCA									
										Section 98
(8828)	8828	8840	8850	8860	8870	8880	8890	8900		8918
SEQ ID NO 11(8828)	GGGGTCAGCAACCTTTTCTAAAAAGGACCAAAATAGTAAATTTTCAGGGCTTTGTGGACCCCTATGGTCTCTATCATATAACTGTTCAAAATCACCA									
SEQ ID NO 4(5579)	GGGGTCAGCAACCTTTTCTAAAAAGGACCAAAATAGTAAATTTTCAGGGCTTTGTGGACCCCTATGGTCTCTATCATATAACTGTTCAAAATCACCA									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 16(1325)	GGGGTCAGCAACCTTTTCTAAAAAGGACCAAAATAGTAAATTTTCAGGGCTTTGTGGACCCCTATGGTCTCTATCATATAACTGTTCAAAATCACCA									
SEQ ID NO 15 (558)	-----									
SEQ ID NO 17 (367)	-----									
Consensus(8828)	GGGGTCAGCAACCTTTTCTAAAAAGGACCAAAATAGTAAATTTTCAGGGCTTTGTGGACCCCTATGGTCTCTATCATATAACTGTTCAAAATCACCA									
										Section 99
(8919)	8919	8930	8940	8950	8960	8970	8980	8990		9009
SEQ ID NO 11(8919)	TGTAGTGTAAAAAGGAGCCCATAGCAAAATATAAACTAACGAATGTGGCTGTTTTATATGGGATTTTTTTTAACTCTTTATTTACAAAAGCAG									
SEQ ID NO 4(5670)	TGTAGTGTAAAAAGGAGCCCATAGCAAAATATAAACTAACGAATGTGGCTGTTTTATATGGGATTTTTTTTAACTCTTTATTTACAAAAGCAG									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 16(1416)	TGTAGTGTAAAAAGGAGCCCATAGCAAAATATAAACTAACGAATGTGGCTGTTTTATATGGGATTTTTTTTAACTCTTTATTTACAAAAGCAG									
SEQ ID NO 15 (558)	-----									
SEQ ID NO 17 (367)	-----									
Consensus(8919)	TGTAGTGTAAAAAGGAGCCCATAGCAAAATATAAACTAACGAATGTGGCTGTTTTATATGGGATTTTTTTTAACTCTTTATTTACAAAAGCAG									

	(9010)	9010	9020	9030	9040	9050	9060	9070	9080	9090	Section 100
SEQ ID NO 11(9010)											G T G C C A G A T C A G A A C T C A C T T A T G S G C C A T A G T T C T C G A C C C C T G A C C T G A G A A A A T C T T A T A T T A T G G A C A A C A T T T A G A C T C T G G A C T
SEQ ID NO 4(5761)											G T G C C A G A T C A G A A C T C A C T T A T G S G C C A T A G T T C T C G A C C C C T G A C C T G A G A A A A T C T T A T A T T A T G G A C A A C A T T T A G A C T C T G G A C T
SEQ ID NO 13 (306)											-- -- -- -- --
SEQ ID NO 16(1507)											G T G C C A G A T C A G A A C T C A C T T A T G S G C C A T A G T T C T C G A C C C C T G A C C T G A G A A A A T C T T A T A T T A T G G A C A A C A T T T A G A C T C T G G A C T
SEQ ID NO 15 (558)											-- -- -- -- --
SEQ ID NO 17 (367)											-- -- -- -- --
Consensus(9010)											G T G C C A G A T C A G A A C T C A C T T A T G G C C A T A G T T C T G A C C C C T G A C C T G A G A A A A T C T T A T A T T A T G G A C A A C A T T T A G A C T C T G G A C T
	(9101)	9101	9110	9120	9130	9140	9150	9160	9170	9180	Section 101
SEQ ID NO 11(9101)											T G C C A A G T A A G A A C A A G A A G C T C T C T A A C T G A A G G T C A A G G C T G G A G T T C T C G A A A G C C A A A G A G A G C T G C T C G G T G T T A A T A T G A I A A A G T G A A A T
SEQ ID NO 4(5852)											T G C C A A G T A A G A A C A A G A A G C T C T C T A A C T G A A G G T C A A G G C T G G A G T T C T C G A A A G C C A A A G A G A G C T G C T C G G T G T T A A T A T G A I A A A G T G A A A T
SEQ ID NO 13 (306)											-- -- -- -- --
SEQ ID NO 16(1598)											T G C C A A G T A A G A A C A A G A A G C T C T C T A A C T G A A G G T C A A G G C T G G A G T T C T C G A A A G C C A A A G A G A G C T G C T C G G T G T T A A T A T G A I A A A G T G A A A T
SEQ ID NO 15 (558)											-- -- -- -- --
SEQ ID NO 17 (367)											-- -- -- -- --
Consensus(9101)											T G C C A A G T A A G A A C A A G A A G C T C T G T C A A C T G A A G G T C A A G G C T G G A G T T C T G A A A G C C A A A G A G A G C T G C T C G G T G T T A A T A T G A I A A A G T G A A A T
	(9191)	9191	9200	9210	9220	9230	9240	9250	9260	9270	Section 102
SEQ ID NO 11(9191)											A G T T A A A G T T A G A A G A T C C C A G T T A T A A G A A G C A C A A A A G A A T A A T G A C C A T A G A C T C C T G R A C A C A A A A T G T C T G G A C T T C T C G G C T T A G G C A
SEQ ID NO 4(5943)											A G T T A A A G T T A G A A G A T C C C A G T T A T A A G A A G C A C A A A A G A A T A A T G A C C A T A G A C T C C T G R A C A C A A A A T G T C T G G A C T T C T C G G C T T A G G C A
SEQ ID NO 13 (306)											-- -- -- -- --
SEQ ID NO 16(1689)											A G T T A A A G T T A G A A G A T C C C A G T T A T A A G A A G C A C A A A A G A A T A A T G A C C A T A G A C T C C T G A A C A A A G A A T G T C T G G A C T T C T C G G C T T A G G C A
SEQ ID NO 15 (558)											-- -- -- -- --
SEQ ID NO 17 (367)											-- -- -- -- --
Consensus(9191)											A G T T A A A G T T A G A A G A T C C C A G T T A T A A G A A G C A C A A A A G A A T A A T G A C C A T A G A C T C C T G A A C A A A G A A T G T C T G G A C T T C T C G G C T T A G G C A

align SEQID#4 against SEQID#11.apr

	9283	9290	9300	9310	9320	9330	9340	9350	9360	9373	Section 103
SEQ ID NO 11(9283)	CCTCTGTTGTA	TGGTCCAGGCCAAG	TTACCTAAATC	CTCTCCAGGCCCTCCAT	TTTCTTATCAT	TAAATGAAGATA	ATAAAGTATTTCCCTCA				
SEQ ID NO 4(6034)	CCTCTGTTGTA	TGGTCCAGGCCAAG	TTACCTAAATC	CTCTCCAGGCCCTCCAT	TTTCTTATCAT	TAAATGAAGATA	ATAAAGTATTTCCCTCA				
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16(1780)	CCTCTGTTGTA	TGGTCCAGGCCAAG	TTACCTAAATC	CTCTCCAGGCCCTCCAT	TTTCTTATCAT	TAAATGAAGATA	ATAAAGTATTTCCCTCA				
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---	
Consensus(9283)	CCTCTGTTGTA	TGGTCCAGGCCAAG	TTACCTAAATC	CTCTCCAGGCCCTCCAT	TTTCTTATCAT	TAAATGAAGATA	ATAAAGTATTTCCCTCA				Section 104
SEQ ID NO 11(9374)	GAGAGCTGTA	GAATAAAGTAAAC	CTGAGGCTAAAC	CCATGTCAAGCAC	ATAGAAATAGG	CCCCAGCCCTAT	TATTAATTTA	TCATAAATG	CCAG		
SEQ ID NO 4(6125)	GAGAGCTGTA	GAATAAAGTAAAC	CTGAGGCTAAAC	CCATGTCAAGCAC	ATAGAAATAGG	CCCCAGCCCTAT	TATTAATTTA	TCATAAATG	CCAG		
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16(1871)	GAGAGCTGTA	GAATAAAGTAAAC	CTGAGGCTAAAC	CCATGTCAAGCAC	ATAGAAATAGG	CCCCAGCCCTAT	TATTAATTTA	TCATAAATG	CCAG		
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---	
Consensus(9374)	GAGAGCTGTA	GAATAAAGTAAAC	CTGAGGCTAAAC	CCATGTCAAGCAC	ATAGAAATAGG	CCCCAGCCCTAT	TATTAATTTA	TCATAAATG	CCAG		

# **EXHIBIT D**



SEQ NO 13 and 16 against SEQ NO 6

Section 1												
(1)	1	10	20	30	40	50	60	70	80	91		
SEQ ID NO 6	(1)	ATTGGAAT	TGGTGAAC	TTAGTAAAG	CGAGACGG	CTCTACCAATAA	AGGCGATCAT	CCAAATCTGT	CGAAAGCTT	GAATAAAAC	CAAAAAG	
SEQ ID NO 13	(1)	ATTGCAAT	TGGTGAAC	TTAGTAAAG	CGAGACGG	CTCTACCAATAA	AGGCGATCAT	CCAAATCTGT	CGAAAGCTT	GAATAAAAC	CAAAAAG	
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Consensus	(1)	ATTGGAAT	TGGTGAAC	TTAGTAAAG	CGAGACGG	CTCTACCAATAA	AGGCGATCAT	CCAAATCTGT	CGAAAGCTT	GAATAAAAC	CAAAAAG	
Section 2												
(92)	92	100	110	120	130	140	150	160	170	182		
SEQ ID NO 6	(92)	AGGAAGG	GAAAAATT	TGCTTCTT	CTTCTTGAT	CTAGTATA	TCATCTTCT	CTCCCTTGG	ATGTGAG	TGGGCTT	CAGACTT	AAACCCAGG
SEQ ID NO 13	(92)	AGGAAGG	GAAAAATT	TGCTTCTT	CTTCTTGAT	CTAGTATA	TCATCTTCT	CTCCCTTGG	ATGTGAG	TGGGCTT	CAGACTT	AAACCCAGG
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus	(92)	AGGAAGG	GAAAAATT	TGCTTCTT	CTTCTTGAT	CTAGTATA	TCATCTTCT	CTCCCTTGG	ATGTGAG	TGGGCTT	CAGACTT	AAACCCAGG
Section 3												
(183)	183	190	200	210	220	230	240	250	260	273		
SEQ ID NO 6	(183)	AGTTACAC	CTTTGGCT	TTCCCTGG	TTCTCAGT	TTCTTGGAC	TTGGACTGA	ATTACACTG	CCAGGTTT	CTCTGGT	TTCTCCAGC	TTGCAGATGGC
SEQ ID NO 13	(183)	AGTTACAC	CTTTGGCT	TTCCCTGG	TTCTCAGT	TTCTTGGAC	TTGGACTGA	ATTACACTG	CCAGGTTT	CTCTGGT	TTCTCCAGC	TTGCAGATGGC
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus	(183)	AGTTACAC	CTTTGGCT	TTCCCTGG	TTCTCAGT	TTCTTGGAC	TTGGACTGA	ATTACACTG	CCAGGTTT	CTCTGGT	TTCTCCAGC	TTGCAGATGGC
Section 4												
(274)	274	280	290	300	310	320	330	340	350	364		
SEQ ID NO 6	(274)	AGATCATG	GGGACTTCT	TGGCCCTCC	ATAAATTG	TTTTCATA	ATCTCCAGG	CTTTCAT	TGGGTCAGG	TTGGCAAT	TTCCGCTG	CCCTTTAATGTTG
SEQ ID NO 13	(274)	AGATCATG	GGGACTTCT	TGGCCCTCC	ATAAATTG	TTTTCATA	ATCTCCAGG	CTTTCAT	TGGGTCAGG	TTGGCAAT	TTCCGCTG	CCCTTTAATGTTG
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus	(274)	AGATCATG	GGGACTTCT	TGGCCCTCC	ATAAATTG	TTTTCATA	ATCTCCAGG	CTTTCAT	TGGGTCAGG	TTGGCAAT	TTCCGCTG	CCCTTTAATGTTG

SEQ NO 13 and 16 against SEQ NO 6

	(365)	365	370	380	390	400	410	420	430	440	Section 5
SEQ ID NO 6	(365)										455
SEQ ID NO 13	(306)										
SEQ ID NO 16	(60)										
Consensus	(365)										
	(456)	456		470	480	490	500	510	520	530	Section 6
SEQ ID NO 6	(456)										546
SEQ ID NO 13	(306)										
SEQ ID NO 16	(151)										
Consensus	(456)										
	(547)	547		560	570	580	590	600	610	620	Section 7
SEQ ID NO 6	(547)										637
SEQ ID NO 13	(306)										
SEQ ID NO 16	(242)										
Consensus	(547)										
	(638)	638		650	660	670	680	690	700	710	Section 8
SEQ ID NO 6	(638)										728
SEQ ID NO 13	(306)										
SEQ ID NO 16	(333)										
Consensus	(638)										

[illegible]

SEQ NO 13 and 16 against SEQ NO 6

	(1093) 1093	1100	1110	1120	1130	1140	1150	1160	1170	Section 13		
SEQ ID NO 6(1093)	ATTTTGGGAAAAC	TGTTTCC	TATGAAG	CTATCTC	TGCGCC	TGAAGG	ATTTTCT	TTTACAA	TCCAGAC	TATAGAA	GGAAATTCACAA	CCCTGGA
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (788)	ATTTTGGGAAAAC	TGTTTCC	TATGAAG	CTATCTC	TGCGCC	TGAAGG	ATTTTCT	TTTACAA	TCCAGAC	TATAGAA	GGAAATTCACAA	CCCTGGA
Consensus(1093)	ATTTTGGGAAAAC	TGTTTCC	TATGAAG	CTATCTC	TGCGCC	TGAAGG	ATTTTCT	TTTACAA	TCCAGAC	TATAGAA	GGAAATTCACAA	CCCTGGA
	(1184) 1184	1190	1200	1210	1220	1230	1240	1250	1260	Section 14		
SEQ ID NO 6(1184)	CTTTACAC	CTCCAT	TGGT	CTCAGAG	TTTTAC	TGACCA	ATTTCC	ACCTCT	GTGCTT	ACACCT	TAACGG	GAAGTTTATG
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (879)	CTTTACAC	CTCCAT	TGGT	CTCAGAG	TTTTAC	TGACCA	ATTTCC	ACCTCT	GTGCTT	ACACCT	TAACGG	GAAGTTTATG
Consensus(1184)	CTTTACAC	CTCCAT	TGGT	CTCAGAG	TTTTAC	TGACCA	ATTTCC	ACCTCT	GTGCTT	ACACCT	TAACGG	GAAGTTTATG
	(1275) 1275	1280	1290	1300	1310	1320	1330	1340	1350	Section 15		
SEQ ID NO 6(1275)	CCCAAC	AGTTAC	AAATGG	TGTTG	TATATTT	TGIGGCC	CTCTG	ATTA	CAATGG	GTCCCT	TAATTT	TGACCT
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (970)	CCCAAC	AGTTAC	AAATGG	TGTTG	TATATTT	TGIGGCC	CTCTG	ATTA	CAATGG	GTCCCT	TAATTT	TGACCT
Consensus(1275)	CCCAAC	AGTTAC	AAATGG	TGTTG	TATATTT	TGIGGCC	CTCTG	ATTA	CAATGG	GTCCCT	TAATTT	TGACCT
	(1366) 1366	1380	1390	1400	1410	1420	1430	1440	1456	Section 16		
SEQ ID NO 6(1366)	AGATTGG	TGGT	AAATTT	CTTA	ACATA	TTTCT	TATG	TGTC	AAATA	CTTTAG	CAATAT	GAAC
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1061)	AGATTGG	TGGT	AAATTT	CTTA	ACATA	TTTCT	TATG	TGTC	AAATA	CTTTAG	CAATAT	GAAC
Consensus(1366)	AGATTGG	TGGT	AAATTT	CTTA	ACATA	TTTCT	TATG	TGTC	AAATA	CTTTAG	CAATAT	GAAC

[illegible]

SEQ NO 13 and 16 against SEQ NO 6

	1821	1830	1840	1850	1860	1870	1880	1890	1900	1911	Section 21
(1821) 1821											
SEQ ID NO 6(1821)	CAGAAC	TCAC	TTAT	TGGG	CCAT	AGTT	CTCT	GTGAC	CCCG	AGAC	TTAGAC
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16(1516)	CAGAAC	TCAC	TTAT	TGGG	CCAT	AGTT	CTCT	GTGAC	CCCG	AGAC	TTAGAC
Consensus(1821)	CAGAAC	TCAC	TTAT	TGGG	CCAT	AGTT	CTCT	GTGAC	CCCG	AGAC	TTAGAC
											Section 22
(1912) 1912		1920	1930	1940	1950	1960	1970	1980	1990	2002	
SEQ ID NO 6(1912)	AGAAC	AAAG	AGCT	CTGT	CAAC	TGAA	GGTCA	AGGCT	CTGT	GAAAG	CAAA
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16(1607)	AGAAC	AAAG	AGCT	CTGT	CAAC	TGAA	GGTCA	AGGCT	CTGT	GAAAG	CAAA
Consensus(1912)	AGAAC	AAAG	AGCT	CTGT	CAAC	TGAA	GGTCA	AGGCT	CTGT	GAAAG	CAAA
											Section 23
(2003) 2003		2010	2020	2030	2040	2050	2060	2070	2080	2093	
SEQ ID NO 6(2003)	TAGAA	GATC	CCAG	TTAT	AAGA	AGCA	CAAA	AGAA	TAAAT	GAC	CTCC
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16(1698)	TAGAA	GATC	CCAG	TTAT	AAGA	AGCA	CAAA	AGAA	TAAAT	GAC	CTCC
Consensus(2003)	TAGAA	GATC	CCAG	TTAT	AAGA	AGCA	CAAA	AGAA	TAAAT	GAC	CTCC
											Section 24
(2094) 2094		2100	2110	2120	2130	2140	2150	2160	2170	2184	
SEQ ID NO 6(2094)	TATGG	TCC	AGG	CCAA	GTAT	ACCT	AAAT	GTCT	CCAG	GCCT	CCAT
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16(1789)	TATGG	TCC	AGG	CCAA	GTAT	ACCT	AAAT	GTCT	CCAG	GCCT	CCAT
Consensus(2094)	TATGG	TCC	AGG	CCAA	GTAT	ACCT	AAAT	GTCT	CCAG	GCCT	CCAT

SEQ NO 13 and 16 against SEQ NO 6

Section 25

(2185) 2185	2190	2200	2210	2220	2230	2240	2250	2260
SEQ ID NO 6(2185)	AAGAAATAAACTGAGCTA	CCCCATGTC	CAAGCACATAGAA	TAGGGCCCGAGCC	TAATAATTTA	TCAATAAA	TGCCCAG	
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16(1880)	AAGAAATAAACTGAGCTA	CCCCATGTC	CAAGCACATAGAA	TAGGGCCCGAGCC	TAATAATTTA	TCAATAAA	TGCCCAG	
Consensus(2185)	AAGAAATAAACTGAGCTA	CCCCATGTC	CAAGCACATAGAA	TAGGGCCCGAGCC	TAATAATTTA	TCAATAAA	TGCCCAG	

# **EXHIBIT E**





	(365)	365	370	380	390	400	410	420	430	440	Section 5					
SEQ ID NO 7	(365)	TTCA	CAATG	ATTC	TTGGG	TAAATTC	CAGCAGCC	TGTTACT	TATGGCT	CTCTGGAGT	GATAGCTAAATGTAATAAGAA					
SEQ ID NO 13	(306)	TTCA	CAATG	ATTC	TTGGG	TAAATTC	CAGCAGCC	TGTTACT	TATGGCT	CTCTGGAGT	GATAGCTAAATGTAATAAGAA					
SEQ ID NO 15	(60)	TTCA	CAATG	ATTC	TTGGG	TAAATTC	CAGCAGCC	TGTTACT	TATGGCT	CTCTGGAGT	GATAGCTAAATGTAATAAGAA					
SEQ ID NO 16	(1)	TTCA	CAATG	ATTC	TTGGG	TAAATTC	CAGCAGCC	TGTTACT	TATGGCT	CTCTGGAGT	GATAGCTAAATGTAATAAGAA					
Consensus	(365)	TTCA	CAATG	ATTC	TTGGG	TAAATTC	CAGCAGCC	TGTTACT	TATGGCT	CTCTGGAGT	GATAGCTAAATGTAATAAGAA					
	(456)	456	470	480	490	500	510	520	530	546	Section 6					
SEQ ID NO 7	(456)	GCCT	CTAAA	AGTGG	ATTAT	CCCTG	ACAGCAAT	ATACTCAG	CCCAATTA	ATGCAACAG	AAATCCATTC	CAAGCAATTC	CAAAAAGAA			
SEQ ID NO 13	(306)	GCCT	CTAAA	AGTGG	ATTAT	CCCTG	ACAGCAAT	ATACTCAG	CCCAATTA	ATGCAACAG	AAATCCATTC	CAAGCAATTC	CAAAAAGAA			
SEQ ID NO 15	(151)	GCCT	CTAAA	AGTGG	ATTAT	CCCTG	ACAGCAAT	ATACTCAG	CCCAATTA	ATGCAACAG	AAATCCATTC	CAAGCAATTC	CAAAAAGAA			
SEQ ID NO 16	(1)	GCCT	CTAAA	AGTGG	ATTAT	CCCTG	ACAGCAAT	ATACTCAG	CCCAATTA	ATGCAACAG	AAATCCATTC	CAAGCAATTC	CAAAAAGAA			
Consensus	(456)	GCCT	CTAAA	AGTGG	ATTAT	CCCTG	ACAGCAAT	ATACTCAG	CCCAATTA	ATGCAACAG	AAATCCATTC	CAAGCAATTC	CAAAAAGAA			
	(547)	547	560	570	580	590	600	610	620	637	Section 7					
SEQ ID NO 7	(547)	TAA	ATA	TTCT	TTTT	TTTT	TAAAGTTA	TGACCT	ACGATCC	ATTTCTTCC	CTGACTAACA	AGCAGCACTT	AAAAATATCCAGCCA			
SEQ ID NO 13	(306)	TAA	ATA	TTCT	TTTT	TTTT	TAAAGTTA	TGACCT	ACGATCC	ATTTCTTCC	CTGACTAACA	AGCAGCACTT	AAAAATATCCAGCCA			
SEQ ID NO 15	(242)	TAA	ATA	TTCT	TTTT	TTTT	TAAAGTTA	TGACCT	ACGATCC	ATTTCTTCC	CTGACTAACA	AGCAGCACTT	AAAAATATCCAGCCA			
SEQ ID NO 16	(1)	TAA	ATA	TTCT	TTTT	TTTT	TAAAGTTA	TGACCT	ACGATCC	ATTTCTTCC	CTGACTAACA	AGCAGCACTT	AAAAATATCCAGCCA			
Consensus	(547)	TAA	ATA	TTCT	TTTT	TTTT	TAAAGTTA	TGACCT	ACGATCC	ATTTCTTCC	CTGACTAACA	AGCAGCACTT	AAAAATATCCAGCCA			
	(638)	638	650	660	670	680	690	700	710	728	Section 8					
SEQ ID NO 7	(638)	GGA	TGAAA	ATAGA	AAAC	CCAC	CCGAC	CTTGT	TAAAT	TTTTTGG	TGTTCC	AGGGAC	TCAGATTC	TAAAGCC	AAATCTTTGAA	ATGATCTTTGGCA
SEQ ID NO 13	(306)	GGA	TGAAA	ATAGA	AAAC	CCAC	CCGAC	CTTGT	TAAAT	TTTTTGG	TGTTCC	AGGGAC	TCAGATTC	TAAAGCC	AAATCTTTGAA	ATGATCTTTGGCA
SEQ ID NO 15	(333)	GGA	TGAAA	ATAGA	AAAC	CCAC	CCGAC	CTTGT	TAAAT	TTTTTGG	TGTTCC	AGGGAC	TCAGATTC	TAAAGCC	AAATCTTTGAA	ATGATCTTTGGCA
SEQ ID NO 16	(1)	GGA	TGAAA	ATAGA	AAAC	CCAC	CCGAC	CTTGT	TAAAT	TTTTTGG	TGTTCC	AGGGAC	TCAGATTC	TAAAGCC	AAATCTTTGAA	ATGATCTTTGGCA
Consensus	(638)	GGA	TGAAA	ATAGA	AAAC	CCAC	CCGAC	CTTGT	TAAAT	TTTTTGG	TGTTCC	AGGGAC	TCAGATTC	TAAAGCC	AAATCTTTGAA	ATGATCTTTGGCA

SEQ NO 13, 15 and 16 against SEQ NO 7

	(729) 729	740	750	760	770	780	790	800	Section 9
SEQ ID NO 7 (729)	AAATGCTCGGAATTA	TTTGGCCAACTTTTCTTTA	CTCTGGAAAAA	AAAGATTTC	CAAGAAATGGG	GTCAAAAATG	ATAGTTTT	AAAAAACCCTTT	819
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (424)	AAATGCTCGGAATTA	TTTGGCCAACTTTTCTTTA	CTCTGGAAAAA	AAAGATTTC	CAAGAAATGGG	GTCAAAAATG	ATAGTTTT	AAAAAACCCTTT	-----
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus (729)	AAATGCTCGGAATTA	TTTGGCCAACTTTTCTTTA	CTCTGGAAAAA	AAAGATTTC	CAAGAAATGGG	GTCAAAAATG	ATAGTTTT	AAAAAACCCTTT	Section 10
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SEQ ID NO 7 (820)	CTTGCAGATACGTA	TGGCACCCCTAA	AACTGTATTAG	AAAAAAATTT	CATATCTCC	AGGCCCTTTC	ATISGG	TCAGGTGGCA	910
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (515)	CTTGCAGATACGTA	TGGCACCCCTAA	AACTGTATTAG	AAAAAAATTT	CATATCTCC	AGGCCCTTTC	ATISGG	TCAGGTGGCA	-----
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus (820)	CTTGCAGATACGTA	TGGCACCCCTAA	AACTGTATTAG	AAAAAAATTT	CATATCTCC	AGGCCCTTTC	ATISGG	TCAGGTGGCA	Section 11
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SEQ ID NO 7 (911)	CTTTATGTGTGAC	AAAGTGAAAAA	TAAGGAAAC	AAACCTCA	AGTGAAG	AAAAATC	AGAAATCT	TGGCAGCAGT	1001
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (49)	CTTTATGTGTGAC	AAAGTGAAAAA	TAAGGAAAC	AAACCTCA	AGTGAAG	AAAAATC	AGAAATCT	TGGCAGCAGT	-----
Consensus (911)	CTTTATGTGTGAC	AAAGTGAAAAA	TAAGGAAAC	AAACCTCA	AGTGAAG	AAAAATC	AGAAATCT	TGGCAGCAGT	Section 12
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SEQ ID NO 7(1002)	GCTTCCACATCAC	CTTGCCTCA	CAAGCCCA	GCAISCA	CTCTTGCTCAT	CTTACACCC	CTGTSIS	CAIGACAGGCC	1080
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (140)	GCTTCCACATCAC	CTTGCCTCA	CAAGCCCA	GCAISCA	CTCTTGCTCAT	CTTACACCC	CTGTSIS	CAIGACAGGCC	-----
Consensus(1002)	GCTTCCACATCAC	CTTGCCTCA	CAAGCCCA	GCAISCA	CTCTTGCTCAT	CTTACACCC	CTGTSIS	CAIGACAGGCC	Section 12
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SEQ NO 13, 15 and 16 against SEQ NO 7

	(1093)	1093	1100	1110	1120	1130	1140	1150	1160	1170	Section 13
SEQ ID NO 7(1093)											1183
SEQ ID NO 13 (306)											
SEQ ID NO 15 (558)											
SEQ ID NO 16 (231)											
Consensus(1093)											
	(1184)	1184	1190	1200	1210	1220	1230	1240	1250	1260	Section 14
SEQ ID NO 7(1184)											1274
SEQ ID NO 13 (306)											
SEQ ID NO 15 (558)											
SEQ ID NO 16 (322)											
Consensus(1184)											
	(1275)	1275	1280	1290	1300	1310	1320	1330	1340	1350	Section 15
SEQ ID NO 7(1275)											1365
SEQ ID NO 13 (306)											
SEQ ID NO 15 (558)											
SEQ ID NO 16 (413)											
Consensus(1275)											
	(1366)	1366	1380	1390	1400	1410	1420	1430	1440	1456	Section 16
SEQ ID NO 7(1366)											1456
SEQ ID NO 13 (306)											
SEQ ID NO 15 (558)											
SEQ ID NO 16 (504)											
Consensus(1366)											

SEQ NO 13, 15 and 16 against SEQ NO 7

	1457	1470	1480	1490	1500	1510	1520	1530	Section 17
(1457) 1457									
SEQ ID NO 7(1457)	CIGCTAGG	GIGCAAAA	AATGGAAAA	AAATTAAT	CTAAATCAGG	TCARATCAG	CTCTACCTT	TGGGATCT	1547
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16 (595)	CIGCTAGG	GTGCAAAA	AATGGAAAA	AAATTAAT	CTAAATCAGG	TCARATCAG	CTCTACCTT	TGGGATCT	1547
Consensus(1457)	CIGCTAGG	GTGCAAAA	AATGGAAAA	AAATTAAT	CTAAATCAGG	TCARATCAG	CTCTACCTT	TGGGATCT	1547
Section 18									
(1548) 1548		1560	1570	1580	1590	1600	1610	1620	1638
SEQ ID NO 7(1548)	AAATAAT	TCAGTCAT	AGTGGGAAA	AAATAGGAT	TAATTCCTT	TAAGCTCGAT	AAGCAAC	CCAGAGTT	1638
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16 (686)	AAATAAT	TCAGTCAT	AGTGGGAAA	AAATAGGAT	TAATTCCTT	TAAGCTCGAT	AAGCAAC	CCAGAGTT	1638
Consensus(1548)	AAATAAT	TCAGTCAT	AGTGGGAAA	AAATAGGAT	TAATTCCTT	TAAGCTCGAT	AAGCAAC	CCAGAGTT	1638
Section 19									
(1639) 1639		1650	1660	1670	1680	1690	1700	1710	1729
SEQ ID NO 7(1639)	ATCAGAAA	TTTGGAAAC	TGTTTCCCT	TAAGAAAG	CTATCTCTG	CCCTGAG	AGATTTT	CTTTTACAA	1729
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16 (777)	ATCAGAAA	TTTGGAAAC	TGTTTCCCT	TAAGAAAG	CTATCTCTG	CCCTGAG	AGATTTT	CTTTTACAA	1729
Consensus(1639)	ATCAGAAA	TTTGGAAAC	TGTTTCCCT	TAAGAAAG	CTATCTCTG	CCCTGAG	AGATTTT	CTTTTACAA	1729
Section 20									
(1730) 1730		1740	1750	1760	1770	1780	1790	1800	1810
SEQ ID NO 7(1730)	CACAAAC	CTGGACTT	TCACCTCCAT	TGGTCAGAG	TTTTTAC	TGACCAAT	TCCCACT	CTGCTTAC	1810
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 16 (868)	CACAAAC	CTGGACTT	TCACCTCCAT	TGGTCAGAG	TTTTTAC	TGACCAAT	TCCCACT	CTGCTTAC	1810
Consensus(1730)	CACAAAC	CTGGACTT	TCACCTCCAT	TGGTCAGAG	TTTTTAC	TGACCAAT	TCCCACT	CTGCTTAC	1810

SEQ NO 13, 15 and 16 against SEQ NO 7

	(1821)	1821	1830	1840	1850	1860	1870	1880	1890	1900	1911	Section 21
SEQ ID NO 7(1821)	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	1911
SEQ ID NO 13 (306)	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	1911
SEQ ID NO 15 (558)	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	1911
SEQ ID NO 16 (959)	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	1911
Consensus(1821)	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	1911
	(1912)	1912	1920	1930	1940	1950	1960	1970	1980	1990	2002	Section 22
SEQ ID NO 7(1912)	CT	CT	CT	CT	CT	CT	CT	CT	CT	CT	CT	2002
SEQ ID NO 13 (306)	CT	CT	CT	CT	CT	CT	CT	CT	CT	CT	CT	2002
SEQ ID NO 15 (558)	CT	CT	CT	CT	CT	CT	CT	CT	CT	CT	CT	2002
SEQ ID NO 16(1050)	CT	CT	CT	CT	CT	CT	CT	CT	CT	CT	CT	2002
Consensus(1912)	CT	CT	CT	CT	CT	CT	CT	CT	CT	CT	CT	2002
	(2003)	2003	2010	2020	2030	2040	2050	2060	2070	2080	2093	Section 23
SEQ ID NO 7(2003)	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	2093
SEQ ID NO 13 (306)	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	2093
SEQ ID NO 15 (558)	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	2093
SEQ ID NO 16(1141)	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	2093
Consensus(2003)	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	2093
	(2094)	2094	2100	2110	2120	2130	2140	2150	2160	2170	2184	Section 24
SEQ ID NO 7(2094)	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	2184
SEQ ID NO 13 (306)	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	2184
SEQ ID NO 15 (558)	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	2184
SEQ ID NO 16(1232)	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	2184
Consensus(2094)	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	2184

SEQ NO 13, 15 and 16 against SEQ NO 7

	2185	2190	2200	2210	2220	2230	2240	2250	2260	Section 25
(2185) 2185	2185	2190	2200	2210	2220	2230	2240	2250	2260	2275
SEQ ID NO 7(2185)	CAGGGGICAGCAACCTTTTCTA	AAAGGACCAAAATAGIAAATA	TTTCAGGCTTTTGGACCCCTAT	GGCTCTATCAATACGTTTCAAA	TCAC					
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16(1323)	CAGGGGTCAGCAACCTTTTCTA	AAAGGACCAAAATAGIAAATA	TTTCAGGCTTTTGGACCCCTAT	GGCTCTATCAATACGTTTCAAA	TCAC					
Consensus(2185)	CAGGGGICAGCAACCTTTTCTA	AAAGGACCAAAATAGIAAATA	TTTCAGGCTTTTGGACCCCTAT	GGCTCTATCAATACGTTTCAAA	TCAC					
										Section 26
(2276) 2276	2290	2300	2310	2320	2330	2340	2350			2366
SEQ ID NO 7(2276)	CATGTAGTGTAAAGGAGCCATA	AGCAAAATATAAATAACGAA	ATGAGTGGCTTTTAAAGGAA	TTTAAAGGCTTTTAAAGGAA	TTTAAAGGCTTTTAAAGGAA	TTTAAAGGCTTTTAAAGGAA	TTTAAAGGCTTTTAAAGGAA			2366
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----			2366
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----			2366
SEQ ID NO 16(1414)	CATGTAGTGTAAAGGAGCCATA	AGCAAAATATAAATAACGAA	ATGAGTGGCTTTTAAAGGAA	TTTAAAGGCTTTTAAAGGAA	TTTAAAGGCTTTTAAAGGAA	TTTAAAGGCTTTTAAAGGAA	TTTAAAGGCTTTTAAAGGAA			2366
Consensus(2276)	CATGTAGTGTAAAGGAGCCATA	AGCAAAATATAAATAACGAA	ATGAGTGGCTTTTAAAGGAA	TTTAAAGGCTTTTAAAGGAA	TTTAAAGGCTTTTAAAGGAA	TTTAAAGGCTTTTAAAGGAA	TTTAAAGGCTTTTAAAGGAA			2366
										Section 27
(2367) 2367	2380	2390	2400	2410	2420	2430	2440			2457
SEQ ID NO 7(2367)	AGGTGGCAGATCAGAACTCACA	CTTAATGGGCCATAGTTCTCT	GACCCCTGACCTGAGAAAAT	CTTATATTTAATGGACAACA	TTTAGACTGTGA					
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----			
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----			
SEQ ID NO 16(1505)	AGGTGGCAGATCAGAACTCACA	CTTAATGGGCCATAGTTCTCT	GACCCCTGACCTGAGAAAAT	CTTATATTTAATGGACAACA	TTTAGACTGTGA					
Consensus(2367)	AGGTGGCAGATCAGAACTCACA	CTTAATGGGCCATAGTTCTCT	GACCCCTGACCTGAGAAAAT	CTTATATTTAATGGACAACA	TTTAGACTGTGA					
										Section 28
(2458) 2458	2470	2480	2490	2500	2510	2520	2530			2548
SEQ ID NO 7(2458)	CTTGCCAAAGTAAGAACAAAGA	AGCTCTGTCACTGAAGGCTCA	AGGCTGGAGTTCTGAAAGCA	AAAGAGCTGCTGTTAAAGTA	AGTGAA					
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----			
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----			
SEQ ID NO 16(1596)	CTTGCCAAAGTAAGAACAAAGA	AGCTCTGTCACTGAAGGCTCA	AGGCTGGAGTTCTGAAAGCA	AAAGAGCTGCTGTTAAAGTA	AGTGAA					
Consensus(2458)	CTTGCCAAAGTAAGAACAAAGA	AGCTCTGTCACTGAAGGCTCA	AGGCTGGAGTTCTGAAAGCA	AAAGAGCTGCTGTTAAAGTA	AGTGAA					

	(2549)	2549	2560	2570	2580	2590	2600	2610	2620	Section 29		
SEQ ID NO 7(2549)			ATAGTTAAAGTTAGAAAGATCCCAAGTTATAAGAGGCACAAAGAAATAATGACCAATAGACTCCGAGCAAGAAAGTCTGGACATTCGGCTTAGG							2639		
SEQ ID NO 13 (306)			-----									
SEQ ID NO 15 (558)			-----									
SEQ ID NO 16(1687)			ATAGTTAAAGTTAGAAAGATCCCAAGTTATAAGAGGCACAAAGAAATAATGACCAATAGACTCCGAGCAAGAAAGTCTGGACATTCGGCTTAGG									
Consensus(2549)			ATAGTTAAAGTTAGAAAGATCCCAAGTTATAAGAGGCACAAAGAAATAATGACCAATAGACTCCGAGCAAGAAAGTCTGGACATTCGGCTTAGG									
	(2640)	2640	2650	2660	2670	2680	2690	2700	2710	2720	2730	
SEQ ID NO 7(2640)			CACCTCTGTTGTATGGTCCAGGGCCAAAGTTACCTAATCTCTCCAGGCCCTCCCAATTTCTTAACATTAATGAAGATAATAAAAGTATTTTCCT									
SEQ ID NO 13 (306)			-----									
SEQ ID NO 15 (558)			-----									
SEQ ID NO 16(1778)			CACCTCTGTTGTATGGTCCAGGGCCAAAGTTACCTAATCTCTCCAGGCCCTCCCAATTTCTTAACATTAATGAAGATAATAAAAGTATTTTCCT									
Consensus(2640)			CACCTCTGTTGTATGGTCCAGGGCCAAAGTTACCTAATCTCTCCAGGCCCTCCCAATTTCTTAACATTAATGAAGATAATAAAAGTATTTTCCT									
	(2731)	2731	2740	2750	2760	2770	2780	2790	2800	Section 31		
SEQ ID NO 7(2731)			CAGAGAGCTGTATAGAAATAAAGCTAGAGCTAAACCCATGTCAAAGCACATAGAAATAGGGCCCAAGCCCTATATTAATTTATCAATAATAAATGCCAG							2817		
SEQ ID NO 13 (306)			-----									
SEQ ID NO 15 (558)			-----									
SEQ ID NO 16(1869)			CAGAGAGCTGTATAGAAATAAAGCTAGAGCTAAACCCATGTCAAAGCACATAGAAATAGGGCCCAAGCCCTATATTAATTTATCAATAATAAATGCCAG									
Consensus(2731)			CAGAGAGCTGTATAGAAATAAAGCTAGAGCTAAACCCATGTCAAAGCACATAGAAATAGGGCCCAAGCCCTATATTAATTTATCAATAATAAATGCCAG									



# **EXHIBIT F**

align SEQID#10 against SEQID#11.apr

	Section 1										
	(1) 1	10	20	30	40	50	60	70	80	91	
SEQ ID NO 11	(1)	ATTGAA	TTGGTGAAC	TTAGTAAAGCAGACGGCTCTCACC	CAATAAGGCGAGGCATCATCCAA	TCTGTCTGAAAGCTTGAATA	AAAA	CAAAAAAG			
SEQ ID NO 10	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 13	(1)	ATTGAA	TTGGTGAAC	TTAGTAAAGCAGACGGCTCTCACC	CAATAAGGCGAGGCATCATCCAA	TCTGTCTGAAAGCTTGAATA	AAAA	CAAAAAAG			
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Consensus	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
	Section 2										
	(92) 92	100	110	120	130	140	150	160	170	182	
SEQ ID NO 11	(92)	AGGAAGGG	AAAAATTTGCTTCTTTCTTCTGATCTAGTATATCATCTTCTCCTGCCCTTGGA	TGTGAGTGGGCCCTTCAGACTTAA	ACCAGG						
SEQ ID NO 10	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 13	(92)	AGGAAGGG	AAAAATTTGCTTCTTTCTTCTGATCTAGTATATCATCTTCTCCTGCCCTTGGA	TGTGAGTGGGCCCTTCAGACTTAA	ACCAGG						
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Consensus	(92)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
	Section 3										
	(183) 183	190	200	210	220	230	240	250	260	273	
SEQ ID NO 11	(183)	AGTTACAC	CTTTGGCTTCCCTGGTTCTCAGTTCTTTGGACTTGGACTGAATTACACTGCC	AGGTTTCTCTCCAGCTTGCAGATGGC							
SEQ ID NO 10	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 13	(183)	AGTTACAC	CTTTGGCTTCCCTGGTTCTCAGTTCTTTGGACTTGGACTGAATTACACTGCC	AGGTTTCTCTCCAGCTTGCAGATGGC							
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Consensus	(183)	-----	-----	-----	-----	-----	-----	-----	-----	-----	

align SEQID#10 against SEQID#11.apr

																	Section 4
(274)	274	280	290	300	310	320	330	340	350	364							
SEQ ID NO 11	(274)	AGATCATGGGAC	TTTGGCCCTCC	ATAATGGTG	GAGTCA	ATTTCC	ATTTT	ATTTAC	ATATCC	AGTTATG	CAATGCTT	TAACA	ATGG	AACA	ATGG	AACA	364
SEQ ID NO 10	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	364
SEQ ID NO 13	(274)	AGATCATGGGAC	TTTGGCCCTCC	ATAATGGTG	GAGTCA	ATTTCC	ATTTT	ATTTAC	ATATCC	AGTTATG	CAATGCTT	TAACA	ATGG	AACA	ATGG	AACA	364
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	364
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	364
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	364
Consensus	(274)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	364
(365)	365	370	380	390	400	410	420	430	440	455							
SEQ ID NO 11	(365)	GGTTCTGAG	AAATGC	ATTGTT	AAAGTG	ATTTC	ATCAT	GATTT	GC	AAACAT	CATAG	AGTG	TAACT	ACAC	AAACCT	GGAC	AGACTACTACA
SEQ ID NO 10	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	455
SEQ ID NO 13	(306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	455
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	455
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	455
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	455
Consensus	(365)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	455
(456)	456	470	480	490	500	510	520	530	546								
SEQ ID NO 11	(456)	CATCTAGG	CTACAT	GGTGTAG	CTTGTA	ACCTCAT	GATAAG	TATGT	ATAAC	ATCAT	GATAAG	TATGT	ATAAC	ATCAT	GATAAG	TATGT	ATAAC
SEQ ID NO 10	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	546
SEQ ID NO 13	(306)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	546
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	546
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	546
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	546
Consensus	(456)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	546

align SEQID#10 against SEQID#11.apr

	(547) 547	560	570	580	590	600	610	620	Section 7
SEQ ID NO 11	(547)	AAAAGGTACAGTAAAAATA	GGTATAAT	CGGATCA	CAATCA	CAATG	CAATG	CAATG	637
SEQ ID NO 10	(1)	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13	(306)	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----
Consensus	(547)	-----	-----	-----	-----	-----	-----	-----	-----
Section 8									
SEQ ID NO 11	(638)	638	650	660	670	680	690	700	710
SEQ ID NO 10	(1)	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13	(306)	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----
Consensus	(638)	-----	-----	-----	-----	-----	-----	-----	-----
Section 9									
SEQ ID NO 11	(729)	729	740	750	760	770	780	790	800
SEQ ID NO 10	(1)	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13	(306)	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16	(1)	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15	(1)	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17	(1)	-----	-----	-----	-----	-----	-----	-----	-----
Consensus	(729)	-----	-----	-----	-----	-----	-----	-----	-----

align SEQID#10 against SEQID#11.apr

	820	830	840	850	860	870	880	890	900	Section 10
SEQ ID NO 11	(820)									
SEQ ID NO 10	(820)	GGGTGGGAGGCAATCA	TTTGGGACAAGCC	CAGGGCATCAGCTT	AATAGATATCAAGAGCT	CAACCAAGAGCAC	TTTATGGCAAA	CCCTCCCA		910
SEQ ID NO 13	(306)									
SEQ ID NO 16	(1)									
SEQ ID NO 15	(1)									
SEQ ID NO 17	(1)									
Consensus	(820)									
SEQ ID NO 11	(911)	911	920	930	940	950	960	970	980	Section 11
SEQ ID NO 10	(911)	AGACCTCTCAGAAAGTT	GAGAAACTGCTAAAAGTT	CTTTATGACAGATGACAT	TTTATGGATAAAATAGGGAT	TAGCAGGATTC	TTTAAATA			1001
SEQ ID NO 13	(306)									
SEQ ID NO 16	(1)									
SEQ ID NO 15	(1)									
SEQ ID NO 17	(1)									
Consensus	(911)									
SEQ ID NO 11	(1002)	1002	1010	1020	1030	1040	1050	1060	1070	Section 12
SEQ ID NO 10	(1002)	CTTCGAACACTAACCTT	CAATTTCTACCAGGCAGT	GGGGCCCCCAAGTGCAGG	GGCCATAGGAAGTACAAG	CTCTGGGAGATACTAGG	CTGCAC			1092
SEQ ID NO 13	(306)									
SEQ ID NO 16	(1)									
SEQ ID NO 15	(1)									
SEQ ID NO 17	(1)									
Consensus	(1002)									

align SEQID#10 against SEQID#11.apr

Section 13												
(1093)	1093	1100	1110	1120	1130	1140	1150	1160	1170	1183		
SEQ ID NO 11(1093)	IGTCTGTAGAGAAATCTGAAAAAAATAATAGAGTCACTGAAATGCAAGTTTGGTATAAATTAATGCCAATGCAATCAATAATCTAAATCATACIAGT											
SEQ ID NO 10 (1)	---	---	---	---	---	---	---	---	---	---		
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---		
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---		
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---		
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---		
Consensus(1093)												
Section 14												
(1184)	1184	1190	1200	1210	1220	1230	1240	1250	1260	1274		
SEQ ID NO 11(1184)	GGTCAAAATACCTCTTCCCTGAAAAAAACATTTTCTTGGTTTGAATTCCTAAATAAATTTGTTGGTCAACCACTGAGCTTTTAAATATATAAATAC											
SEQ ID NO 10 (1)	---	---	---	---	---	---	---	---	---	---		
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---		
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---		
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---		
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---		
Consensus(1184)												
Section 15												
(1275)	1275	1280	1290	1300	1310	1320	1330	1340	1350	1365		
SEQ ID NO 11(1275)	TTTCAAGTTTGCATATTTTATTACCTGTTCCCTTAACAAACATTTGAATTCACATGAAAAATGATTATGGGAAACATTCTGGGTATACAGTCC											
SEQ ID NO 10 (1)	---	---	---	---	---	---	---	---	---	---		
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---		
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---		
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---		
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---		
Consensus(1275)												

align SEQID#10 against SEQID#11.apr

	1366	1380	1390	1400	1410	1420	1430	1440	Section 16
(1366) 1366	CTGAC	CTCTTAAGGACTCAGGTAAATAC	TTAGGGTATTTCA	TGGCCCTAGTCTTTGGGGTACCA	CAIGTTTTCTTCTTCAAAATCACAGATTCA				1456
SEQ ID NO 11(1366)									
SEQ ID NO 10 (1)									
SEQ ID NO 13 (306)									
SEQ ID NO 16 (1)									
SEQ ID NO 15 (1)									
SEQ ID NO 17 (1)									
Consensus(1366)									
	1457	1470	1480	1490	1500	1510	1520	1530	Section 17
(1457) 1457	AAATCAAGAAATGATAACACACAGTGATTTGTGTAGACAAAAATAAGTGAACCAAAAT	TGCTTGTCTTCTGTCAATTC	TATGGAACCACTGAGAGTTT						1547
SEQ ID NO 11(1457)									
SEQ ID NO 10 (1)									
SEQ ID NO 13 (306)									
SEQ ID NO 16 (1)									
SEQ ID NO 15 (1)									
SEQ ID NO 17 (1)									
Consensus(1457)									
	1548	1560	1570	1580	1590	1600	1610	1620	Section 18
(1548) 1548	TTACTTGTGCTTAAAAATTTTGAATAGTAAACAGAGTGTCAACTTCATGCTGGAAATATTTTGGCTTTT	TAGACACAAATTTTAAGTACATG							1638
SEQ ID NO 11(1548)									
SEQ ID NO 10 (1)									
SEQ ID NO 13 (306)									
SEQ ID NO 16 (1)									
SEQ ID NO 15 (1)									
SEQ ID NO 17 (1)									
Consensus(1548)									

align SEQID#10 against SEQID#11.apr

Section 19										
(1639) 1639	1650	1660	1670	1680	1690	1700	1710	1729		
SEQ ID NO 11(1639)	AAGTATTTT	TACAAGACTA	AGTAACATCA	CTGAAATTAC	AGCTTCTTCT	TTTTAAAACT	GGTATTTG	TTATAAACTA	AGAGCGAAATCA	
SEQ ID NO 10 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	
Consensus(1639)										
Section 20										
(1730) 1730	1740	1750	1760	1770	1780	1790	1800	1810	1820	
SEQ ID NO 11(1730)	AGAAAAGCA	TAAATTATT	TACTGATTATT	ACTGAAAAAG	AAATGTAC	GGAATAGAG	GAGGAGGAG	GTAAACAAAT	GATCCAC	
SEQ ID NO 10 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	
Consensus(1730)										
Section 21										
(1821) 1821	1830	1840	1850	1860	1870	1880	1890	1900	1911	
SEQ ID NO 11(1821)	TCTGGGTGT	TGAAAAAC	CAACCAAT	AGCCTGCT	TCCAGGAAG	TGCGCTAAG	ACAGAGCT	GGCTCAGCT	TGCTGGGTACAGCATGT	AAGGAAAC
SEQ ID NO 10 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---
Consensus(1821)										



align SEQID#10 against SEQID#11.apr

	1912	1920	1930	1940	1950	1960	1970	1980	1990	Section 22
(1912) 1912	1912	1920	1930	1940	1950	1960	1970	1980	1990	2002
SEQ ID NO 11(1912)	IGCTGGGCTACATGCCACCA	TCCATCCCTCAGTTCAGATAGATAA	CCCATAGCCCCCATGGGAAATAATCT	TTAAATTAATGATAATAGCTGACA						
SEQ ID NO 10 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---
Consensus(1912)	---	---	---	---	---	---	---	---	---	---
(2003) 2003	2003	2010	2020	2030	2040	2050	2060	2070	2080	Section 23
SEQ ID NO 11(2003)	CCATTCAAAGCACATA	GTCTAAGTCCTTTAATGTGAATTAACTTT	TGTCAAATTTATTTTTCATAAAATAACCCAAATAATGTA	TATTA						2093
SEQ ID NO 10 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---
Consensus(2003)	---	---	---	---	---	---	---	---	---	---
(2094) 2094	2100	2110	2120	2130	2140	2150	2160	2170	2184	Section 24
SEQ ID NO 11(2094)	TCCTACCTTAAAGAGGAGAACT	GAGCTCCTAAAGTTTAAATATCTAACC	CAAGTTAAGACTGCTAGTCA	CCCTAGGCTATTAACTCAGGC						
SEQ ID NO 10 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---
Consensus(2094)	---	---	---	---	---	---	---	---	---	---

align SEQID#10 against SEQID#11.apr

															Section 25	
(2185)	2185	2190	2200	2210	2220	2230	2240	2250	2260	2275						
SEQ ID NO 11(2185)	AGCTA	ACTCAGG	TATAA	CAATTA	GCTACT	GTTG	CAGCTT	GACTA	TGCTA	CTAATTA	TACG	TCA	TGCTA	CTA	AAAAAGCTAA	
SEQ ID NO 10 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Consensus(2185)																
																Section 26
(2276)	2276	2290	2300	2310	2320	2330	2340	2350	2366							
SEQ ID NO 11(2276)	GGGAA	TAAAA	TGAGC	CAATTT	CAATAA	AGGAG	AGAAAA	TACTG	GGGAAA	AGTG	ATAATG	CAGAG	TTTAAA	ATA	TTTTTGT	
SEQ ID NO 10 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Consensus(2276)																
																Section 27
(2367)	2367	2380	2390	2400	2410	2420	2430	2440	2457							
SEQ ID NO 11(2367)	AAAGT	CCAGAG	ATTGAG	TATAA	CAAGTGT	GACCA	AAAAA	AAAAA	AAAAA	AAAAA	AGG	AGG	AGG	AGG	CTCTGAGA	
SEQ ID NO 10 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Consensus(2367)																

align SEQID#10 against SEQID#11.apr

										Section 28		
(2458)	2458	2470	2480	2490	2500	2510	2520	2530			2548	
SEQ ID NO 11(2458)	AA TAGAAATA	ICAGAGGAAGGAAA	TAAAGGAGGGTGAGAGTAAATTC	CTTTTAGCATTCAGATCCACAGATCCACAAATC	ACATTTCT							2548
SEQ ID NO 10 (30)	AA TAGAAATA	ICAGAGGAAGGAAA	TAAAGGAGGGTGAGAGTAAATTC	CTTTTAGCATTCAGATCCACAGATCCACAAATC	ACATTTCT							2548
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---				2548
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---				2548
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---				2548
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---				2548
Consensus(2458)												
Section 29												
(2549)	2549	2560	2570	2580	2590	2600	2610	2620			2639	
SEQ ID NO 11(2549)	TTTTTTACCAACTAAGGAAAAATAACACTTGACCTAACATTTTCATTGCAGTTAGCTA	TAAAGGATGCTAGAAAAAACTATGTTGCAGTGGTTG										2639
SEQ ID NO 10 (121)	TTTTTTACCAACTAAGGAAAAATAACACTTGACCTAACATTTTCATTGCAGTTAGCTA	TAAAGGATGCTAGAAAAAACTATGTTGCAGTGGTTG										2639
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---				2639
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---				2639
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---				2639
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---				2639
Consensus(2549)												
Section 30												
(2640)	2640	2650	2660	2670	2680	2690	2700	2710	2720		2730	
SEQ ID NO 11(2640)	CTCTAAATTTCTTCAGGAATAGAGAAAAGTGACAAAAAGATCAGAGAAGAGAAAGGAACTATCAGAAAAAATACAGAAAT	TGGAGTAGGA										2730
SEQ ID NO 10 (212)	CTCTAAATTTCTTCAGGAATAGAGAAAAGTGACAAAAAGATCAGAGAAGAGAAAGGAACTATCAGAAAAAATACAGAAAT	TGGAGTAGGA										2730
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---			2730
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---			2730
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---			2730
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---			2730
Consensus(2640)												

align SEQID#10 against SEQID#11.apr

Section 31										
(2731)	2731	2740	2750	2760	2770	2780	2790	2800	2810	2821
SEQ ID NO 11(2731)	TATAACATATTTGGGTTGAAGGTA	AAATTTTATAATTGTAATCTTAA	GTATCTTGGTACCTTGGTCCCTG	GAACAGCAGCATCAGAA						
SEQ ID NO 10 (303)	TATAACATATTTGGGTTGAAGGTA	AAATTTTATAATTGTAATCTTAA	GTATCTTGGTACCTTGGTCCCTG	GAACAGCAGCATCAGAA						
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---
Consensus(2731)										
Section 32										
(2822)	2822	2830	2840	2850	2860	2870	2880	2890	2900	2912
SEQ ID NO 11(2822)	TCTGCCGAGGGCTTGTAAAAAGGC	AGAACTCTCAGGTCCCATCCAGACT	CACTGAATCAGAA	TATAA	TACTGACAAGATG	CCCCGGGAT				
SEQ ID NO 10 (394)	TCTGCCGAGGGCTTGTAAAAAGGC	AGAACTCTCAGGTCCCATCCAGACT	CACTGAATCAGAA	TATAA	TACTGACAAGATG	CCCCGGGAT				
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---
Consensus(2822)										
Section 33										
(2913)	2913	2920	2930	2940	2950	2960	2970	2980	2990	3003
SEQ ID NO 11(2913)	TCATATGCACAGTAGAGCTGGCGAA	AGTTCCATTGTAGCCTGTGATTG	TTTCTGCAACTTAGTATTTCTG	AGTTTCTGAGTTTCTCCCAAGGA	AAAAAC					
SEQ ID NO 10 (485)	TCATATGCACAGTAGAGCTGGCGAA	AGTTCCATTGTAGCCTGTGATTG	TTTCTGCAACTTAGTATTTCTG	AGTTTCTCCCAAGGA	AAAAAC					
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	---
Consensus(2913)										

align SEQID#10 against SEQID#11.apr

	3004	3010	3020	3030	3040	3050	3060	3070	3080	Section 34
(3004) 3004	3004	3010	3020	3030	3040	3050	3060	3070	3080	
SEQ ID NO 11(3004)	CCAGGCCCTTAGCTTCTGGCAGACCTTG	GTGTTTCCTTTACTTACTAGCTGCA	TGACTCATGAGCAAGGAAATCAAAC	TTATGIGCCCTGAG						3094
SEQ ID NO 10 (576)	CCAGGCCCTTAGCTTCTGGCAGACCTTG	GTGTTTCCTTTACTTACTAGCTGCA	TGACTCATGAGCAAGGAAATCAAAC	TTATGIGCCCTGAG						
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	
Consensus(3004)	---	---	---	---	---	---	---	---	---	
(3095) 3095	3100	3110	3120	3130	3140	3150	3160	3170		Section 35
SEQ ID NO 11(3095)	TTTCCTCATCTATAAAATGGAGACTATA	ATAAATCATCTCCTAGGCTTGTTT	TGAGGAGTTTCAACAAATGCTCCTT	CAATTCCTCTATTTA						3185
SEQ ID NO 10 (667)	TTTCCTCATCTATAAAATGGAGACTATA	ATAAATCATCTCCTAGGCTTGTTT	TGAGGAGTTTCAACAAATGCTCCTT	CAATTCCTCTATTTA						
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (1)	---	---	---	---	---	---	---	---	---	
Consensus(3095)	---	---	---	---	---	---	---	---	---	
(3186) 3186	3200	3210	3220	3230	3240	3250	3260			Section 36
SEQ ID NO 11(3186)	CAGACCTGCGCGCAGACAAATTCGCTAG	CAGCCCTTGGTGGCTATTATCTGTGTT	TTCTAAACCTTAGTAAATGAGTGTGATCT	TGGAGACTAACTCT						3276
SEQ ID NO 10 (758)	CAGACCTGCGCGCAGACAAATTCGCTAG	CAGCCCTTGGTGGCTATTATCTGTGTT	TTCTAAACCTTAGTAAATGAGTGTGATCT	TGGAGACTAACTCT						
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (36)	CAGACCTGCGCGCAGACAAATTCGCTAG	CAGCCCTTGGTGGCTATTATCTGTGTT	TTCTAAACCTTAGTAAATGAGTGTGATCT	TGGAGACTAACTCT						
Consensus(3186)	CAGACCTGCGCGCAGACAAATTCGCTAG	CAGCCCTTGGTGGCTATTATCTGTGTT	TTCTAAACCTTAGTAAATGAGTGTGATCT	TGGAGACTAACTCT						

align SEQID#10 against SEQID#11.apr

														Section 37	
(3277)	3277	3290	3300	3310	3320	3330	3340	3350						3367	
SEQ ID NO 11(3277)	GAAATAAAATAAGCTGATTATTTATTTTCTC	CAAAACAACAGATACGATTTAGC	AAATTTACTTCTTAAGATATTTTACATTTCTA											3367	
SEQ ID NO 10 (849)	GAAATAAAATAAGCTGATTATTTATTTTCTC	CAAAACAACAGATACGATTTAGC	AAATTTACTTCTTAAGATATTTTACATTTCTA											3367	
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----						-----	
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----						-----	
SEQ ID NO 15 (1)	-----	-----	-----	-----	-----	-----	-----	-----						-----	
SEQ ID NO 17 (127)	GAAATAAAATAAGCTGATTATTTATTTTCTC	CAAAACAACAGATACGATTTAGC	AAATTTACTTCTTAAGATATTTTACATTTCTA											3367	
Consensus(3277)	GAAATAAAATAAGCTGATTATTTATTTTCTC	CAAAACAACAGATACGATTTAGC	AAATTTACTTCTTAAGATATTTTACATTTCTA											3367	
														Section 38	
(3368)	3368	3380	3390	3400	3410	3420	3430	3440						3458	
SEQ ID NO 11(3368)	TATTCCTCGTACCCCTGAGTTGATG	GTGAGCAATAAGTCACTTTTCATA	AAAGCCAGGTAATACATTAIGGAC	ACAGGTAAGTAAAAACAATATAT											3458
SEQ ID NO 10 (940)	TATTCCTCGTACCCCTGAGTTGATG	GTGAGCAATAAGTCACTTTTCATA	AAAGCCAGGTAATACATTAIGGAC	ACAGGTAAGTAAAAACAATATAT											3458
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----						-----	
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----						-----	
SEQ ID NO 15 (1)	-----	-----	-----	-----	-----	-----	-----	-----						-----	
SEQ ID NO 17 (218)	TATTCCTCGTACCCCTGAGTTGATG	GTGAGCAATAAGTCACTTTTCATA	AAAGCCAGGTAATACATTAIGGAC	ACAGGTAAGTAAAAACAATATAT											3458
Consensus(3368)	TATTCCTCGTACCCCTGAGTTGATG	GTGAGCAATAAGTCACTTTTCATA	AAAGCCAGGTAATACATTAIGGAC	ACAGGTAAGTAAAAACAATATAT											3458
														Section 39	
(3459)	3459	3470	3480	3490	3500	3510	3520	3530						3549	
SEQ ID NO 11(3459)	TTATTCCTACGTTTTTGTGCCAAAAA	TTTTTAAATTTTCAACTGTTCGCG	GTGTTGGTAAATGTAAAAACAAC	TCACTCAGTACAGTAGTATTCAGTA											3549
SEQ ID NO 10(1031)	TTATTCCTACGTTTTTGTGCCAAAAA	TTTTTAAATTTTCAACTGTTCGCG	GTGTTGGTAAATGTAAAAACAAC	TCACTCAGTACAGTAGTATTCAGTA											3549
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----						-----	
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----						-----	
SEQ ID NO 15 (1)	-----	-----	-----	-----	-----	-----	-----	-----						-----	
SEQ ID NO 17 (309)	TTATTCCTACGTTTTTGTGCCAAAAA	TTTTTAAATTTTCAACTGTTCGCG	GTGTTGGTAAATGTAAAAACAAC	TCACTCAGTACAGTAGTATTCAGTA											3549
Consensus(3459)	TTATTCCTACGTTTTTGTGCCAAAAA	TTTTTAAATTTTCAACTGTTCGCG	GTGTTGGTAAATGTAAAAACAAC	TCACTCAGTACAGTAGTATTCAGTA											3549

align SEQID#10 against SEQID#11.apr

Section 40											
	(3550)	3550	3560	3570	3580	3590	3600	3610	3620	3630	3640
SEQ ID NO 11(3550)		CAGTATTTAAGCCCCCTG	TACTTAAACATA	TTCCTCGTACCA	TGAAGTTACATGAAA	AGCAAAATTTGTG	GAGATATCGTAGA	TGGAAGTA			
SEQ ID NO 10(1122)		CAGTATTTAAGCCCCCTG	TACTTAAACATA	TTCCTCGTACCA	TGAAGTTACATGAAA	AGCAAAATTTGTG	GAGATATCGTAGA	TGGAAGTA			
SEQ ID NO 13 (306)		---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)		---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)		---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)		---	---	---	---	---	---	---	---	---	---
Consensus(3550)		---	---	---	---	---	---	---	---	---	---
Section 41											
	(3641)	3641	3650	3660	3670	3680	3690	3700	3710	3720	3731
SEQ ID NO 11(3641)		AATTAGTCTTTATGTT	CCCCACAAAATTG	AAATGCAATTC	AAAAACTGTGTG	TGTGTGTGTGTG	TGTGTGTGTGTG	TGTGTGTGTGTG	TGTGTGTGTGTG	TGTGTGTGTGTG	TGTGTGTGTGTG
SEQ ID NO 10(1213)		AATTAGTCTTTATGTT	CCCCACAAAATTG	AAATGCAATTC	AAAAACTGTGTG	TGTGTGTGTGTG	TGTGTGTGTGTG	TGTGTGTGTGTG	TGTGTGTGTGTG	TGTGTGTGTGTG	TGTGTGTGTGTG
SEQ ID NO 13 (306)		---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)		---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)		---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)		---	---	---	---	---	---	---	---	---	---
Consensus(3641)		---	---	---	---	---	---	---	---	---	---
Section 42											
	(3732)	3732	3740	3750	3760	3770	3780	3790	3800	3810	3822
SEQ ID NO 11(3732)		ACAGAGAGATACGCT	TTGGTTGCCCTCC	ATAAGCTGGCTG	CTATGATTAA	TAAAGACCAAG	TTTTCTAAAGAAA	ATGAGATCATA	ACAAAAGC		
SEQ ID NO 10(1304)		ACAGAGAGATACGCT	TTGGTTGCCCTCC	ATAAGCTGGCTG	CTATGATTAA	TAAAGACCAAG	TTTTCTAAAGAAA	ATGAGATCATA	ACAAAAGC		
SEQ ID NO 13 (306)		---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)		---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)		---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)		---	---	---	---	---	---	---	---	---	---
Consensus(3732)		---	---	---	---	---	---	---	---	---	---

align SEQID#10 against SEQID#11.apr

	3823	3830	3840	3850	3860	3870	3880	3890	3900	Section 43
(3823) 3823	CC	CT	TT	AT	GA	CT	AT	CT	TT	3913
SEQ ID NO 11(3823)	CC	CT	TT	AT	GA	CT	AT	CT	TT	3913
SEQ ID NO 10(1395)	CCT	CT	TT	AT	GA	CT	AT	CT	TT	3913
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(3823)	---	---	---	---	---	---	---	---	---	---
										Section 44
(3914) 3914	3920	3930	3940	3950	3960	3970	3980	3990	4004	
SEQ ID NO 11(3914)	TG	AT	TG	CT	TT	CA	AG	TA	AT	4004
SEQ ID NO 10(1486)	TG	AT	TG	CT	TT	CA	AG	TA	AT	4004
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (67)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(3914)	---	---	---	---	---	---	---	---	---	---
										Section 45
(4005) 4005	4010	4020	4030	4040	4050	4060	4070	4080	4095	
SEQ ID NO 11(4005)	AA	AG	TG	GA	TT	AT	CT	CG	AC	4095
SEQ ID NO 10(1577)	AA	AG	TG	GA	TT	AT	CT	CG	AC	4095
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (158)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(4005)	---	---	---	---	---	---	---	---	---	---



align SEQID#10 against SEQID#11.apr

	4110	4120	4130	4140	4150	4160	4170	Section 46
(4096) 4096								
SEQ ID NO 11(4096)	TCCTTTT	TTTAAAGTTAAATGACCTACGATCCATTTCTTCCCTGACCTAACAAAGCAGCAAGCACTTAAAAATATCCAGCCAGGATGAA						4186
SEQ ID NO 10(1668)	TCCTTTT	TTTAAAGTTAAATGACCTACGATCCATTTCTTCCCTGACCTAACAAAGCAGCAAGCACTTAAAAATATCCAGCCAGGATGAA						
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (249)	TCCTTTT	TTTAAAGTTAAATGACCTACGATCCATTTCTTCCCTGACCTAACAAAGCAGCAAGCACTTAAAAATATCCAGCCAGGATGAA						
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(4096)	TCCTTTT	TTTAAAGTTAAATGACCTACGATCCATTTCTTCCCTGACCTAACAAAGCAGCAAGCACTTAAAAATATCCAGCCAGGATGAA						Section 47
(4187) 4187	4200	4210	4220	4230	4240	4250	4260	4277
SEQ ID NO 11(4187)	ATAGAAACCCACCTGACTTGTAAATATTTTGTGTTGGTCCAGGGACTCAGATTCCTAAGCCCAAATTCCTTGAATGATCTTGGCAAATGCTCT							
SEQ ID NO 10(1759)	ATAGAAACCCACCTGACTTGTAAATATTTTGTGTTGGTCCAGGGACTCAGATTCCTAAGCCCAAATTCCTTGAATGATCTTGGCAAATGCTCT							
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (340)	ATAGAAACCCACCTGACTTGTAAATATTTTGTGTTGGTCCAGGGACTCAGATTCCTAAGCCCAAATTCCTTGAATGATCTTGGCAAATGCTCT							
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(4187)	ATAGAAACCCACCTGACTTGTAAATATTTTGTGTTGGTCCAGGGACTCAGATTCCTAAGCCCAAATTCCTTGAATGATCTTGGCAAATGCTCT							Section 48
(4278) 4278	4290	4300	4310	4320	4330	4340	4350	4368
SEQ ID NO 11(4278)	CGAATTATTTTGGCCAACTTTTCTTTATCTTTGGAAAAAAAAGTTTTCATGAAATGGGGTGTCAAAAATTGATTAAGTTTAAAAAACCTTTCTTTCAG							
SEQ ID NO 10(1850)	CGAATTATTTTGGCCAACTTTTCTTTATCTTTGGAAAAAAAAGTTTTCATGAAATGGGGTGTCAAAAATTGATTAAGTTTAAAAAACCTTTCTTTCAG							
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (431)	CGAATTATTTTGGCCAACTTTTCTTTATCTTTGGAAAAAAAAGTTTTCATGAAATGGGGTGTCAAAAATTGATTAAGTTTAAAAAACCTTTCTTTCAG							
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(4278)	CGAATTATTTTGGCCAACTTTTCTTTATCTTTGGAAAAAAAAGTTTTCATGAAATGGGGTGTCAAAAATTGATTAAGTTTAAAAAACCTTTCTTTCAG							

align SEQID#10 against SEQID#11.apr

Section 49										
(4369)	4369	4380	4390	4400	4410	4420	4430	4440	4459	
SEQ ID NO 11(4369)	ATACGTAATGGCACCCCTA	TAACACCTGTAATTAGAAAAA	AGTAAAGTACCTGTAGT	GIGAAAAATCTTAAAGGACACCC	CTCTTTTACAAACTCA					
SEQ ID NO 10(1941)	ATACGTAATGGCACCCCTA	TAACACCTGTAATTAGAAAAA	AGTAAAGTACCTGTAGT	GIGAAAAATCTTAAAGGACACCC	CTCTTTTACAAACTCA					
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (522)	ATACGTAATGGCACCCCTA	TAACACCTGTAATTAGAAAAA	AGTAAAGTACCTGTAGT	GIGAAAAATCTTAAAGGACACCC	CTCTTTTACAAACTCA					
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	
Consensus(4369) ATACGTATGGCACCCCTAAAACTGTATTAGAAAAAAA										
Section 50										
(4460)	4460	4470	4480	4490	4500	4510	4520	4530	4540	4550
SEQ ID NO 11(4460)	CAAAAACAGCCCTTTGG	AAATACCCACATGAAGT	AGCTGTTGTTATTGCTTT	CTATATACCTACATCTT	GTCTATTATAAAAGACT	GGTTTT				
SEQ ID NO 10(1977)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(4460)										
Section 51										
(4551)	4551	4560	4570	4580	4590	4600	4610	4620	4630	4641
SEQ ID NO 11(4551)	TGGCAGGTGTGGTGGCT	CACACCTGTAAATCCAG	CACCTTTGGGAGGCCCA	AGCGGGCGGATCACCT	GAGATCAGGAGTTCAG	GACCGCT				
SEQ ID NO 10(1977)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(4551)										

align SEQID#10 against SEQID#11.apr

	4642	4650	4660	4670	4680	4690	4700	4710	4720	Section 52
(4642) 4642	GA	TC	AA	T	AT	GG	T	GA	AA	4732
SEQ ID NO 11(4642)	GA	TC	AA	T	AT	GG	T	GA	AA	4732
SEQ ID NO 10(1977)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(4642)	---	---	---	---	---	---	---	---	---	---
(4733) 4733	---	---	---	---	---	---	---	---	---	Section 53
SEQ ID NO 11(4733)	---	---	---	---	---	---	---	---	---	4823
SEQ ID NO 10(1977)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(4733)	---	---	---	---	---	---	---	---	---	---
(4824) 4824	---	---	---	---	---	---	---	---	---	Section 54
SEQ ID NO 11(4824)	---	---	---	---	---	---	---	---	---	4914
SEQ ID NO 10(1977)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(4824)	---	---	---	---	---	---	---	---	---	---

align SEQID#10 against SEQID#11.apr

	4915	4920	4930	4940	4950	4960	4970	4980	4990	Section 55
(4915) 4915	CC	TA	GT	TT	GG	TAA	TG	CC	CT	
SEQ ID NO 11(4915)	CC	TA	GT	TT	GG	TAA	TG	CC	CT	5005
SEQ ID NO 10(1977)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(4915)	---	---	---	---	---	---	---	---	---	---
	5006	5030	5040	5050	5060	5070	5080	5096		Section 56
(5006) 5006	CA	TG	CA	AG	AA	AG	AC	A	T	
SEQ ID NO 11(5006)	CA	TG	CA	AG	AA	AG	AC	A	T	5096
SEQ ID NO 10(1977)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(5006)	---	---	---	---	---	---	---	---	---	---
	5097	5110	5120	5130	5140	5150	5160	5170	5187	Section 57
(5097) 5097	G	A	G	A	A	A	G	T	G	
SEQ ID NO 11(5097)	G	A	G	A	A	A	G	T	G	5187
SEQ ID NO 10(1977)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(5097)	---	---	---	---	---	---	---	---	---	---

align SEQID#10 against SEQID#11.apr

Section 58										
(5188)	5188	5200	5210	5220	5230	5240	5250	5260	5278	
SEQ ID NO 11(5188)	TCA TGA AAC CAG GTG TAA AGA AAG TGG ACT AGA TTA AAT TCA TCC ATT ACA GGA AGA GCC GTG AAA GATA ATCC AGAAA ATCA TTGGGA									
SEQ ID NO 10(1977)	-----									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 16 (1)	-----									
SEQ ID NO 15 (558)	-----									
SEQ ID NO 17 (367)	-----									
Consensus(5188)										
Section 59										
(5279)	5279	5290	5300	5310	5320	5330	5340	5350	5369	
SEQ ID NO 11(5279)	TTT GAT GGT AGA AGG TAT TTT GGG ACT AT TCC ATT TGA AAT GAG AAG GTAC CTG ACAT TCT TTT GAA TTC CTTT CAAG CAA AGG ATT AAA TT									
SEQ ID NO 10(1977)	-----									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 16 (1)	-----									
SEQ ID NO 15 (558)	-----									
SEQ ID NO 17 (367)	-----									
Consensus(5279)										
Section 60										
(5370)	5370	5380	5390	5400	5410	5420	5430	5440	5450	5460
SEQ ID NO 11(5370)	TAC CCAT GAG TTG ACT CAG AAA AAA CATA AAAA AGT ATT GTT GCT CTG CTC AGAG TTTT ATCT AACT CAT TCT CACT TCTT ATTC CATG ATG									
SEQ ID NO 10(1977)	-----									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 16 (1)	-----									
SEQ ID NO 15 (558)	-----									
SEQ ID NO 17 (367)	-----									
Consensus(5370)										

Section 61																
(5461)	5461	5470	5480	5490	5500	5510	5520	5530	5540	5551						
SEQ ID NO 11(5461)	AAATGACATAAATGAGGTTT	TTTAAATGTTGTTGTTGTTT	CTGGACACAAGGCAAGGIAGCTAC	CTGGCAGAGCTGTTTATTTCTC												
SEQ ID NO 10(1977)	---	---	---	---	---	---	---	---	---	---						
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---						
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---						
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---						
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---						
Consensus(5461)																
Section 62																
(5552)	5552	5560	5570	5580	5590	5600	5610	5620	5630	5642						
SEQ ID NO 11(5552)	TATGCCGTGGAGAGAAATGG	TTAATGGCCATGGAAGCGAGTCAT	TAAAGATGTTCCCATCGGAGTGA	ACTTCCAGGGTTC	CCAGCTTCT											
SEQ ID NO 10(1977)	---	---	---	---	---	---	---	---	---	---						
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---						
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---						
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---						
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---						
Consensus(5552)																
Section 63																
(5643)	5643	5650	5660	5670	5680	5690	5700	5710	5720	5733						
SEQ ID NO 11(5643)	GCATCCTTCCCTGTCCCTCA	ATTCCATTGTTGGTGATGACA	ATGCTCTCCCATCAGCCCTCA	TGAAGTTCTCTCTCATTTAT	TAAATTTG											
SEQ ID NO 10(1977)	---	---	---	---	---	---	---	---	---	---						
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---						
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---						
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---						
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---						
Consensus(5643)																

align SEQID#10 against SEQID#11.apr

	5734	5740	5750	5760	5770	5780	5790	5800	5810	Section 64
(5734) 5734	CTTTCAGGAAAAATTTTGAAAAATG									
SEQ ID NO 11(5734)	CTTTCAGGAAAAATTTTGAAAAATG									5824
SEQ ID NO 10(1977)	-----									5824
SEQ ID NO 13 (306)	-----									5824
SEQ ID NO 16 (1)	-----									5824
SEQ ID NO 15 (558)	-----									5824
SEQ ID NO 17 (367)	-----									5824
Consensus(5734)	-----									5824
Section 65										
(5825) 5825	5830	5840	5850	5860	5870	5880	5890	5900	5915	
SEQ ID NO 11(5825)	AAATCTTGCAAAATCATTTGAGCCAAAAACG									5915
SEQ ID NO 10(1977)	-----									5915
SEQ ID NO 13 (306)	-----									5915
SEQ ID NO 16 (1)	-----									5915
SEQ ID NO 15 (558)	-----									5915
SEQ ID NO 17 (367)	-----									5915
Consensus(5825)	-----									5915
Section 66										
(5916) 5916	5930	5940	5950	5960	5970	5980	5990	6006		
SEQ ID NO 11(5916)	GCAGGGAGAGTTGATGGGGGGGGGGGTTCA								6006	
SEQ ID NO 10(1977)	-----								6006	
SEQ ID NO 13 (306)	-----								6006	
SEQ ID NO 16 (1)	-----								6006	
SEQ ID NO 15 (558)	-----								6006	
SEQ ID NO 17 (367)	-----								6006	
Consensus(5916)	-----								6006	

align SEQID#10 against SEQID#11.apr

Section 67										6097
(6007) 6007	6020	6030	6040	6050	6060	6070	6080			6097
SEQ ID NO 11(6007)	AA	TTGCTTTGTTT	ATATATTCAGGGG	ATTAGAGTATACAG	TAGAGATCCCAAGAA	ACCTTGGGATCA	TTTATAGACTA	AGAAATGCCA		
SEQ ID NO 10(1977)	---	---	---	---	---	---	---	---		
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---		
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---		
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---		
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---		
Consensus(6007)										
Section 68										6188
(6098) 6098	6110	6120	6130	6140	6150	6160	6170			6188
SEQ ID NO 11(6098)	AT	ACCGCGGGCGGGT	GGCTCAGCGCTG	TATCCAGCACTT	TGAGAGGCCGAGGT	GGGGGATCACA	AGGTCAGGAGAT	TGAGACCGTC		
SEQ ID NO 10(1977)	---	---	---	---	---	---	---	---		
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---		
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---		
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---		
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---		
Consensus(6098)										
Section 69										6279
(6189) 6189	6200	6210	6220	6230	6240	6250	6260			6279
SEQ ID NO 11(6189)	CT	GGCTAACGTGGTGA	ACCCCTGTCTCT	ACTAAAAATACAAA	AAATTAGCCGGGCGGT	GGTGGCGGCCTGT	AGTCCCAGCTACT	CGGGA		
SEQ ID NO 10(1977)	---	---	---	---	---	---	---	---		
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---		
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---		
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---		
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---		
Consensus(6189)										



align SEQID#10 against SEQID#11.apr

	6280	6290	6300	6310	6320	6330	6340	6350	6360	Section 70
(6280) 6280	GGCGGAGGCAGGAGAA	GGGIGTGAACTCAGGAGGGGAGCTTGCAGTCAGCCGAGATTGCCCAATGCAC	TCAGCCCTGGGCGACAGAACG							6370
SEQ ID NO 11(6280)	GGCGGAGGCAGGAGAA	GGGIGTGAACTCAGGAGGGGAGCTTGCAGTCAGCCGAGATTGCCCAATGCAC	TCAGCCCTGGGCGACAGAACG							
SEQ ID NO 10(1977)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	
Consensus(6280)	---	---	---	---	---	---	---	---	---	
										Section 71
(6371) 6371	AGACTCCGTC	TCAGAAACAAAAGGAAATGCCAAATACCAGCAGAAATAGAGCCAAATCATGAACATAAGCTAAACAAATGTTGGCAGT								6461
SEQ ID NO 11(6371)	AGACTCCGTC	TCAGAAACAAAAGGAAATGCCAAATACCAGCAGAAATAGAGCCAAATCATGAACATAAGCTAAACAAATGTTGGCAGT								
SEQ ID NO 10(1977)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	
Consensus(6371)	---	---	---	---	---	---	---	---	---	
										Section 72
(6462) 6462	GTAGCCTAGTGGTTAAGAGAGCAGACTCTTA	ACTAGAACACTGCACCTCCATGTCCTCACTGTAGACCCCTCACTGTGGGTTCTAATTAACC								6552
SEQ ID NO 11(6462)	GTAGCCTAGTGGTTAAGAGAGCAGACTCTTA	ACTAGAACACTGCACCTCCATGTCCTCACTGTAGACCCCTCACTGTGGGTTCTAATTAACC								
SEQ ID NO 10(1977)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	
Consensus(6462)	---	---	---	---	---	---	---	---	---	

align SEQID#10 against SEQID#11.apr

	6553	6560	6570	6580	6590	6600	6610	6620	6630	Section 73
(6553) 6553	CC	GT	TA	CT	TA	AG	TT	CG	TT	6643
SEQ ID NO 11(6553)	CC	GT	TA	CT	TA	AG	TT	CG	TT	6643
SEQ ID NO 10(1977)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(6553)	---	---	---	---	---	---	---	---	---	---
										Section 74
(6644) 6644	GT	TT	AA	TT	AA	TT	AA	TT	AA	6734
SEQ ID NO 11(6644)	GT	TT	AA	TT	AA	TT	AA	TT	AA	6734
SEQ ID NO 10(1977)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(6644)	---	---	---	---	---	---	---	---	---	---
										Section 75
(6735) 6735	AC	TT	AA	GA	CT	GA	TT	AA	CT	6825
SEQ ID NO 11(6735)	AC	TT	AA	GA	CT	GA	TT	AA	CT	6825
SEQ ID NO 10(1977)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(6735)	---	---	---	---	---	---	---	---	---	---

align SEQID#10 against SEQID#11.apr

	6826	6840	6850	6860	6870	6880	6890	6900	Section 76
(6826) 6826	-----	-----	-----	-----	-----	-----	-----	-----	6916
SEQ ID NO 11(6826)	TGAAGGC	AAAAATG	TTTCG	TTTTC	TTTTC	TTTTC	TTTTC	TTTTC	-----
SEQ ID NO 10(1977)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(6826)	-----	-----	-----	-----	-----	-----	-----	-----	-----
									Section 77
(6917) 6917	-----	6930	-----	6940	-----	6950	-----	6960	6970
SEQ ID NO 11(6917)	TGAACCT	ACCGAGG	TAGTT	ACATAA	AAAGAG	TTCTG	CAATG	AGTAC	AAATCT
SEQ ID NO 10(1977)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(6917)	-----	-----	-----	-----	-----	-----	-----	-----	-----
									Section 78
(7008) 7008	-----	7020	-----	7030	-----	7040	-----	7050	7060
SEQ ID NO 11(7008)	GTGATT	TCCTTA	AGGAAC	TGATAA	AAATTT	GGTG	TGAT	CAATG	TAA
SEQ ID NO 10(1977)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 16 (1)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----
Consensus(7008)	-----	-----	-----	-----	-----	-----	-----	-----	-----
									7098

[illegible]

align SEQID#10 against SEQID#11.apr

	7372	7380	7390	7400	7410	7420	7430	7440	7450	Section 82
(7372) 7372	TTCC	TTAAGCAGACCATGTC	TTAGTAAAGGCTTTT	AGTTAAAGGCTTTT	AGTTAAAGGCTTTT	AGTTAAAGGCTTTT	AGTTAAAGGCTTTT	AGTTAAAGGCTTTT	AGTTAAAGGCTTTT	7462
SEQ ID NO 11(7372)	TTCC	TTAAGCAGACCATGTC	TTAGTAAAGGCTTTT	AGTTAAAGGCTTTT	AGTTAAAGGCTTTT	AGTTAAAGGCTTTT	AGTTAAAGGCTTTT	AGTTAAAGGCTTTT	AGTTAAAGGCTTTT	7462
SEQ ID NO 10(1978)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(7372)	---	---	---	---	---	---	---	---	---	---
	7463	7470	7480	7490	7500	7510	7520	7530	7540	Section 83
(7463) 7463	AGTCATCTCCACATGTTCTT	TAATCATTAATCTTT	TACAGTTT	TTTACAGTTT	TTTACAGTTT	TTTACAGTTT	TTTACAGTTT	TTTACAGTTT	TTTACAGTTT	7553
SEQ ID NO 11(7463)	AGTCATCTCCACATGTTCTT	TAATCATTAATCTTT	TACAGTTT	TTTACAGTTT	TTTACAGTTT	TTTACAGTTT	TTTACAGTTT	TTTACAGTTT	TTTACAGTTT	7553
SEQ ID NO 10(1978)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (1)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(7463)	---	---	---	---	---	---	---	---	---	---
	7554	7560	7570	7580	7590	7600	7610	7620	7630	Section 84
(7554) 7554	TTATG	TGTTGACAAAGTG	AAATTAAGG	AAAGAAATTAAGG	AAAGAAATTAAGG	AAAGAAATTAAGG	AAAGAAATTAAGG	AAAGAAATTAAGG	AAAGAAATTAAGG	7644
SEQ ID NO 11(7554)	TTATG	TGTTGACAAAGTG	AAATTAAGG	AAAGAAATTAAGG	AAAGAAATTAAGG	AAAGAAATTAAGG	AAAGAAATTAAGG	AAAGAAATTAAGG	AAAGAAATTAAGG	7644
SEQ ID NO 10(2027)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 16 (51)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---
Consensus(7554)	---	---	---	---	---	---	---	---	---	---

align SEQID#10 against SEQID#11.apr

	7645	7650	7660	7670	7680	7690	7700	7710	7720	Section 85
(7645) 7645										
SEQ ID NO 11(7645)	TTCCACATCACTGGCTTCCTCATCAAGCCCGCAGCAATCCATCTCTTGGCTCATCTTACACCCCTGGTGGCATGACAGGCCCGCAGCATTCATTATATC									7735
SEQ ID NO 10(2118)	TTCCACATCACTGGCTTCCTCATCAAGCCCGCAGCAATCCATCTCTTGGCTCATCTTACACCCCTGGTGGCATGACAGGCCCGCAGCATTCATTATATC									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 16 (142)	TTCCACATCACTGGCTTCCTCATCAAGCCCGCAGCAATCCATCTCTTGGCTCATCTTACACCCCTGGTGGCATGACAGGCCCGCAGCATTCATTATATC									
SEQ ID NO 15 (558)	-----									
SEQ ID NO 17 (367)	-----									
Consensus(7645)	TTCCACATCACTGGCTTCCTCATCAAGCCCGCAGCAATCCATCTCTTGGCTCATCTTACACCCCTGGTGGCATGACAGGCCCGCAGCATTCATTATATC									Section 86
(7736) 7736			7750	7760	7770	7780	7790	7800	7810	7826
SEQ ID NO 11(7736)	AGAGCAAAAGGCTCTCCACATATCTGGTTCACCCCTACTTAGCCAGATATACAAGAAATATCTGCAAGGAATGACCTGCTCACCTGGGAG									
SEQ ID NO 10(2209)	AGAGCAAAAGGCTCTCCACATATCTGGTTCACCCCTACTTAGCCAGATATACAAGAAATATCTGCAAGGAATGACCTGCTCACCTGGGAG									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 16 (233)	AGAGCAAAAGGCTCTCCACATATCTGGTTCACCCCTACTTAGCCAGATATACAAGAAATATCTGCAAGGAATGACCTGCTCACCTGGGAG									
SEQ ID NO 15 (558)	-----									
SEQ ID NO 17 (367)	-----									
Consensus(7736)	AGAGCAAAAGGCTCTCCACATATCTGGTTCACCCCTACTTAGCCAGATATACAAGAAATATCTGCAAGGAATGACCTGCTCACCTGGGAG									Section 87
(7827) 7827			7840	7850	7860	7870	7880	7890	7900	7917
SEQ ID NO 11(7827)	CTCAGAGGAGCTCAGATTCCATTACTATCGCACCAAGGACAGATCTCCAGCAAGAAATGACAGAAAAGACTTAACCTGCCCCCAAAATCTCCC									
SEQ ID NO 10(2300)	CTCAGAGGAGCTCAGATTCCATTACTATCGCACCAAGGACAGATCTCCAGCAAGAAATGACAGAAAAGACTTAACCTGCCCCCAAAATCTCCC									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 16 (324)	CTCAGAGGAGCTCAGATTCCATTACTATCGCACCAAGGACAGATCTCCAGCAAGAAATGACAGAAAAGACTTAACCTGCCCCCAAAATCTCCC									
SEQ ID NO 15 (558)	-----									
SEQ ID NO 17 (367)	-----									
Consensus(7827)	CTCAGAGGAGCTCAGATTCCATTACTATCGCACCAAGGACAGATCTCCAGCAAGAAATGACAGAAAAGACTTAACCTGCCCCCAAAATCTCCC									

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	(7918)	7918	7930	7940	7950	7960	7970	7980	7990	Section 88
SEQ ID NO 11(7918)										8008
SEQ ID NO 10(2391)										8008
SEQ ID NO 13 (306)										8008
SEQ ID NO 16 (415)										8008
SEQ ID NO 15 (558)										8008
SEQ ID NO 17 (367)										8008
Consensus(7918)										8008
SEQ ID NO 11(8009)										8099
SEQ ID NO 10(2482)										8099
SEQ ID NO 13 (306)										8099
SEQ ID NO 16 (506)										8099
SEQ ID NO 15 (558)										8099
SEQ ID NO 17 (367)										8099
Consensus(8009)										8099
SEQ ID NO 11(8100)										8190
SEQ ID NO 10(2573)										8190
SEQ ID NO 13 (306)										8190
SEQ ID NO 16 (597)										8190
SEQ ID NO 15 (558)										8190
SEQ ID NO 17 (367)										8190
Consensus(8100)										8190

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													Section 91
(8191)	8191	8200	8210	8220	8230	8240	8250	8260	8270				8281
SEQ ID NO 11(8191)	TATATTCAGTCA	TAGTGGGAAA	AATAGGATTAT	TCCCTTTAGCTCG	ATAGCAACCCAGAG	TTCTTCCATTC	CAAAATCTTGACA	TTTAAATCAAT					
SEQ ID NO 10(2664)	TATATTCAGTCA	TAGTGGGAAA	AATAGGATTAT	TCCCTTTAGCTCG	ATAGCAACCCAGAG	TTCTTCCATTC	CAAAATCTTGACA	TTTAAATCAAT					
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----				-----
SEQ ID NO 16 (688)	TATATTCAGTCA	TAGTGGGAAA	AATAGGATTAT	TCCCTTTAGCTCG	ATAGCAACCCAGAG	TTCTTCCATTC	CAAAATCTTGACA	TTTAAATCAAT					
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----				-----
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----				-----
Consensus(8191)	TATATTCAGTCA	TAGTGGGAAA	AATAGGATTAT	TCCCTTTAGCTCG	ATAGCAACCCAGAG	TTCTTCCATTC	CAAAATCTTGACA	TTTAAATCAAT					
													Section 92
(8282)	8282	8290	8300	8310	8320	8330	8340	8350	8360				8372
SEQ ID NO 11(8282)	CAGAAATTCAT	TTTGGAAAAC	TGTTTCCCTAT	GAAAGCTAT	CTCTGCCC	TGAAGGAT	TTTTCTTTT	TACAAATCC	CAGACTAT	AGAAAGGAAA	TTTCA		
SEQ ID NO 10(2755)	CAGAAATTCAT	TTTGGAAAAC	TGTTTCCCTAT	GAAAGCTAT	CTCTGCCC	TGAAGGAT	TTTTCTTTT	TACAAATCC	CAGACTAT	AGAAAGGAAA	TTTCA		
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----				-----
SEQ ID NO 16 (779)	CAGAAATTCAT	TTTGGAAAAC	TGTTTCCCTAT	GAAAGCTAT	CTCTGCCC	TGAAGGAT	TTTTCTTTT	TACAAATCC	CAGACTAT	AGAAAGGAAA	TTTCA		
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----				-----
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----				-----
Consensus(8282)	CAGAAATTCAT	TTTGGAAAAC	TGTTTCCCTAT	GAAAGCTAT	CTCTGCCC	TGAAGGAT	TTTTCTTTT	TACAAATCC	CAGACTAT	AGAAAGGAAA	TTTCA		
													Section 93
(8373)	8373	8380	8390	8400	8410	8420	8430	8440	8450				8463
SEQ ID NO 11(8373)	CAACCTGGAC	TTTCACTTCC	ATTGGTCAGAG	TTTACTGACCA	ATTCCCACCT	CTGCGCTT	ACACCTT	ATGCGCTG	TTTCTC				
SEQ ID NO 10(2846)	CAACCTGGAC	TTTCACTTCC	ATTGGTCAGAG	TTTACTGACCA	ATTCCCACCT	CTGCGCTT	ACACCTT	ATGCGCTG	TTTCTC				
SEQ ID NO 13 (306)	-----	-----	-----	-----	-----	-----	-----	-----	-----				-----
SEQ ID NO 16 (870)	CAACCTGGAC	TTTCACTTCC	ATTGGTCAGAG	TTTACTGACCA	ATTCCCACCT	CTGCGCTT	ACACCTT	ATGCGCTG	TTTCTC				
SEQ ID NO 15 (558)	-----	-----	-----	-----	-----	-----	-----	-----	-----				-----
SEQ ID NO 17 (367)	-----	-----	-----	-----	-----	-----	-----	-----	-----				-----
Consensus(8373)	CAACCTGGAC	TTTCACTTCC	ATTGGTCAGAG	TTTACTGACCA	ATTCCCACCT	CTGCGCTT	ACACCTT	ATGCGCTG	TTTCTC				



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	8464	8470	8480	8490	8500	8510	8520	8530	8540	Section 94
(8464) 8464										
SEQ ID NO 11(8464)	TTACATATACCCCAACAGTTACAAATGGTTGTTATTATTAAAGCAATCTTTTATTTTGGGCTCTGATTACATGGTCCCTAAATTTTGACCT									8554
SEQ ID NO 10(2937)	TTACATATACCCCAACAGTTACAAATGGTTGTTATTATTAAAGCAATCTTTTATTTTGGGCTCTGATTACATGGTCCCTAAATTTTGACCT									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 16 (961)	TTACATATACCCCAACAGTTACAAATGGTTGTTATTATTAAAGCAATCTTTTATTTTGGGCTCTGATTACATGGTCCCTAAATTTTGACCT									
SEQ ID NO 15 (558)	-----									
SEQ ID NO 17 (367)	-----									
Consensus(8464)	TTACATATACCCCAACAGTTACAAATGGTTGTTATTATTAAAGCAATCTTTTATTTTGGGCTCTGATTACATGGTCCCTAAATTTTGACCT									Section 95
(8555) 8555		8560	8570	8580	8590	8600	8610	8620	8630	8645
SEQ ID NO 11(8555)	AATCACAAAAGATTGGTAAAAATTTCTTAACATATTAATAATAATTTTGTGTTATGTTCAATAATCTTAGCATGTATCAATTAAGACAGAGGTC									
SEQ ID NO 10(3028)	AATCACAAAAGATTGGTAAAAATTTCTTAACATATTAATAATAATTTTGTGTTATGTTCAATAATCTTAGCATGTATCAATTAAGACAGAGGTC									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 16(1052)	AATCACAAAAGATTGGTAAAAATTTCTTAACATATTAATAATAATTTTGTGTTATGTTCAATAATCTTAGCATGTATCAATTAAGACAGAGGTC									
SEQ ID NO 15 (558)	-----									
SEQ ID NO 17 (367)	-----									
Consensus(8555)	AATCACAAAAGATTGGTAAAAATTTCTTAACATATTAATAATAATTTTGTGTTATGTTCAATAATCTTAGCATGTATCAATTAAGACAGAGGTC									Section 96
(8646) 8646		8660	8670	8680	8690	8700	8710	8720		8736
SEQ ID NO 11(8646)	TTAACGTTCTCTTTTGGAAAGAGAAATATTAGGATTCAGAGATATTAAAGAGATTTCTCCAGGATCAGATTAGGTAACAGAGCTGGATTTTA									
SEQ ID NO 10(3119)	TTAACGTTCTCTTTTGGAAAGAGAAATATTAGGATTCAGAGATATTAAAGAGATTTCTCCAGGATCAGATTAGGTAACAGAGCTGGATTTTA									
SEQ ID NO 13 (306)	-----									
SEQ ID NO 16(1143)	TTAACGTTCTCTTTTGGAAAGAGAAATATTAGGATTCAGAGATATTAAAGAGATTTCTCCAGGATCAGATTAGGTAACAGAGCTGGATTTTA									
SEQ ID NO 15 (558)	-----									
SEQ ID NO 17 (367)	-----									
Consensus(8646)	TTAACGTTCTCTTTTGGAAAGAGAAATATTAGGATTCAGAGATATTAAAGAGATTTCTCCAGGATCAGATTAGGTAACAGAGCTGGATTTTA									

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	8737	8750	8760	8770	8780	8790	8800	8810	Section 97
(8737) 8737									
SEQ ID NO 11(8737)	GTCCAGGCTGTCTACAGGCTCTAAGCGTATATACACCCCTTTGTATATACATGTGCACGAATTCAGCAATAAAGGGAATCTTCAGTGAATCTAAAGTCA								8827
SEQ ID NO 10(3210)	GTCCAGGCTGTCTACAGGCTCTAAGCGTATATACACCCCTTTGTATATACATGTGCACGAATTCAGCAATAAAGGGAATCTTCAGTGAATCTAAAGTCA								
SEQ ID NO 13 (306)	-----								
SEQ ID NO 16(1234)	GTCCAGGCTGTCTACAGGCTCTAAGCGTATATACACCCCTTTGTATATACATGTGCACGAATTCAGCAATAAAGGGAATCTTCAGTGAATCTAAAGTCA								
SEQ ID NO 15 (558)	-----								
SEQ ID NO 17 (367)	-----								
Consensus(8737)	GTCCAGGCTGTCTACAGGCTCTAAGCGTATATACACCCCTTTGTATATACATGTGCACGAATTCAGCAATAAAGGGAATCTTCAGTGAATCTAAAGTCA								Section 98
(8828) 8828		8840	8850	8860	8870	8880	8890	8900	8918
SEQ ID NO 11(8828)	GGGGTCAGCAACCTTTTCTAAAAAGGACCAAAATAGTAAATTTTCAGGGCTTTTGGGAACCCCTATGGTCTCTATCATAAATCTGTTCAAAATCACCA								
SEQ ID NO 10(3301)	GGGGTCAGCAACCTTTTCTAAAAAGGACCAAAATAGTAAATTTTCAGGGCTTTTGGGAACCCCTATGGTCTCTATCATAAATCTGTTCAAAATCACCA								
SEQ ID NO 13 (306)	-----								
SEQ ID NO 16(1325)	GGGGTCAGCAACCTTTTCTAAAAAGGACCAAAATAGTAAATTTTCAGGGCTTTTGGGAACCCCTATGGTCTCTATCATAAATCTGTTCAAAATCACCA								
SEQ ID NO 15 (558)	-----								
SEQ ID NO 17 (367)	-----								
Consensus(8828)	GGGGTCAGCAACCTTTTCTAAAAAGGACCAAAATAGTAAATTTTCAGGGCTTTTGGGAACCCCTATGGTCTCTATCATAAATCTGTTCAAAATCACCA								Section 99
(8919) 8919		8930	8940	8950	8960	8970	8980	8990	9009
SEQ ID NO 11(8919)	TGTAGTGTAAAAAGGAGCCCATAGCCAAATATATAACCTAACGAAATGTGGCTGTGTTTATATGGGATTTTTTTTAACTCTTTTATTTACAAAAGCAG								
SEQ ID NO 10(3392)	TGTAGTGTAAAAAGGAGCCCATAGCCAAATATATAACCTAACGAAATGTGGCTGTGTTTATATGGGATTTTTTTTAACTCTTTTATTTACAAAAGCAG								
SEQ ID NO 13 (306)	-----								
SEQ ID NO 16(1416)	TGTAGTGTAAAAAGGAGCCCATAGCCAAATATATAACCTAACGAAATGTGGCTGTGTTTATATGGGATTTTTTTTAACTCTTTTATTTACAAAAGCAG								
SEQ ID NO 15 (558)	-----								
SEQ ID NO 17 (367)	-----								
Consensus(8919)	TGTAGTGTAAAAAGGAGCCCATAGCCAAATATATAACCTAACGAAATGTGGCTGTGTTTATATGGGATTTTTTTTAACTCTTTTATTTACAAAAGCAG								

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	(9010)	9010	9020	9030	9040	9050	9060	9070	9080	9090	9100	Section 100
SEQ ID NO 11(9010)												
SEQ ID NO 10(3483)												
SEQ ID NO 13 (306)												
SEQ ID NO 16(1507)												
SEQ ID NO 15 (558)												
SEQ ID NO 17 (367)												
Consensus(9010)												
	(9101)	9101	9110	9120	9130	9140	9150	9160	9170	9180	9190	Section 101
SEQ ID NO 11(9101)												
SEQ ID NO 10(3574)												
SEQ ID NO 13 (306)												
SEQ ID NO 16(1598)												
SEQ ID NO 15 (558)												
SEQ ID NO 17 (367)												
Consensus(9101)												
	(9192)	9192	9200	9210	9220	9230	9240	9250	9260	9270	9280	Section 102
SEQ ID NO 11(9192)												
SEQ ID NO 10(3665)												
SEQ ID NO 13 (306)												
SEQ ID NO 16(1689)												
SEQ ID NO 15 (558)												
SEQ ID NO 17 (367)												
Consensus(9192)												

align SEQID#10 against SEQID#11.apr

	9283	9290	9300	9310	9320	9330	9340	9350	9360	9373	Section 103
(9283) 9283											
SEQ ID NO 11(9283)	CCTCTGTTGTA	TGGTCCAGGCCAAG	TTACCTAAATC	CTCTCCAGGCCCTCCAT	TTTCTTATCAT	TAAATGAAGATA	TAAATAAAGTATTTCCCTCA				
SEQ ID NO 10(3756)	CCTCTGTTGTA	TGGTCCAGGCCAAG	TTACCTAAATC	CTCTCCAGGCCCTCCAT	TTTCTTATCAT	TAAATGAAGATA	TAAATAAAGTATTTCCCTCA				
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16(1780)	CCTCTGTTGTA	TGGTCCAGGCCAAG	TTACCTAAATC	CTCTCCAGGCCCTCCAT	TTTCTTATCAT	TAAATGAAGATA	TAAATAAAGTATTTCCCTCA				
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---	
Consensus(9283)	CCTCTGTTGTA	TGGTCCAGGCCAAG	TTACCTAAATC	CTCTCCAGGCCCTCCAT	TTTCTTATCAT	TAAATGAAGATA	TAAATAAAGTATTTCCCTCA				Section 104
(9374) 9374		9380	9390	9400	9410	9420	9430	9440		9458	
SEQ ID NO 11(9374)	GAGAGCC	CTGTAAAGAAATA	AAACCTGAGGCT	TAACCCATG	TCAAGCACAT	AGAAATAGG	CCCCAGCCCTATAT	TAAATTAATCAATAAATGCCCAG			
SEQ ID NO 10(3847)	GAGAGCC	CTGTAAAGAAATA	AAACCTGAGGCT	TAACCCATG	TCAAGCACAT	AGAAATAGG	CCCCAGCCCTATAT	TAAATTAATCAATAAATGCCCAG			
SEQ ID NO 13 (306)	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 16(1871)	GAGAGCC	CTGTAAAGAAATA	AAACCTGAGGCT	TAACCCATG	TCAAGCACAT	AGAAATAGG	CCCCAGCCCTATAT	TAAATTAATCAATAAATGCCCAG			
SEQ ID NO 15 (558)	---	---	---	---	---	---	---	---	---	---	
SEQ ID NO 17 (367)	---	---	---	---	---	---	---	---	---	---	
Consensus(9374)	GAGAGCC	CTGTAAAGAAATA	AAACCTGAGGCT	TAACCCATG	TCAAGCACAT	AGAAATAGG	CCCCAGCCCTATAT	TAAATTAATCAATAAATGCCCAG			